ENGLISH

USER'S MANUAL

32LD7200

Thank you very much for purchasing the HITACHI LCD Monitor. Before using your monitor, please carefully read the "SAFETY INSTRUCTIONS" and this "USER'S MANUAL" so you will know how to operate the monitor properly. Keep this manual in a safe place. You will find it useful in the future.

Notes on Installation Work:
This product is marketed assuming that it is installed by qualified personnel with enough skill and competence. Always have an installation specialist or your dealer install and set up the product. HITACHI cannot assume liabilities for damage caused by mistake in installation or mounting, misuse, modification or a natural disaster.

Note for Dealers:
After installation, be sure to deliver this manual to the customer and explain to the customer how to handle the product.

Important

Please read this User's Manual thoroughly, especially the Safety Instructions on Page 3 to 6. Mis-use may cause damage to your LCD monitor, which could shorten its lifespan, or cause injury to yourself. Should you encounter any difficulty in the set-up or operation of your monitor, firstly refer to the Troubleshooting guide at the rear of this manual.
In the unlikely event of a problem occurring with your LCD monitor, switch off at the mains sockets, pull out the plugs, and contact your dealer immediately.

CAUTION

Under no circumstances remove the rear cover of your LCD monitor.
Never guess or take any chances with electrical equipment of any kind - it is better to be safe than sorry!

Software Notice

It is prohibited for the end user of this product to copy, reverse engineer or reverse compile the software included therein, save to the extent permitted by law.

LCD Monitor

After the LCD monitor has been on for any length of time, you will notice that the screen becomes warm. Please note that this is normal.
Sometimes the screen might have some tiny bright or dark spots. Please note that this is normal.

CAUTION

To prevent scratches or damages to the LCD screen, do not knock or rub the surface with sharp or hard objects. Clean the screen with a soft cloth moistened with warm water and dry with a soft cloth. A mild soap may be used if the screen is extremely dirty. Do not use harsh or abrasive cleaners!

CAUTION

Use a soft cloth to clean the cabinet and control panel of the monitor. When excessively soiled dilute a neutral detergent in water, wet and wring out the soft cloth and afterward wipe with a dry soft cloth.
Never use acid/alkaline detergent, alcoholic detergent, abrasive cleaner, powder soap, OA cleaner, car wax, glass cleaner, etc. especially because they would cause discoloration, scratches or cracks.

FEATURES

Large-screen, high-definition LCD panel

The 32-inch colour LCD panel with a resolution of 1366(H) X 768(V) pixels, creates a high-definition, large-screen (aspect ratio:16:9) and low-profile flat display. Free from electromagnetic interferences from geomagnetic sources and ambient power lines, the panel produces high-quality display images free from colour misconvergence and display distortion.

High Performance Digital Processor

A wide range of input signals can be handed, including composite, component, and HDMI.
High Definition Digital Processor creates the fine-textured image with dynamic contrast.
In addition, it corresponds to a broad array of personal computer signals, from 640 x 400 and 640 x 480 VGA to 1600 x 1200 UXGA. (Analogue Input)

Easy-to-use remote control and on screen display system

The remote control included eases the work of setting display controls. Further, the on-screen display system, displays the status of signal reception and display control settings in an easyto-view fashion.

Connecting to an Audio Visual Device

- Three Scart terminals[*1], composite/S terminal[*2], a component terminal[*3], and a HDMI termainal have been added. A composite video output terminal is also provided as a monitoring output.
  [*1] AV1 scart applies to composite/ S-Video.
  AV2 and AV3 apply to composite/ RGB.
  [*2] A composite/ S terminal = Side Input.
  [*3] With AV4 input, if a composite terminal and a component terminal are used at the same time, the component terminal would govern.
- A wide range of devices can be also connected besides personal computers.

Power Swivel Feature

It allows to turn the LCD monitor left or right within ± 30 degree using the remote control.

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Note about This Manual

- The information in this manual is subject to change without notice.
- Whilst meticulous care has been taken in the preparation of this manual, you are requested to notify your dealer or us should you have any comments, views or questions about our product.
- Fully understand the prerequisites to using the product, such as hardware and software specifications and constraints, in using the product. We are not held liable for damages caused by improper handling of the product.
- Reproduction of this manual in whole or in part without our prior written permission is prohibited.
- The product names mentioned in this manual may be trademarks or registered trademarks of their respective owners.

SAFETY INSTRUCTIONS

This LCD monitor has been designed and manufactured to meet international safety standards, but like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.
Before using this product, please read and understand the Safety Instructions thoroughly to ensure correct usage, and follow all the instructions.

About the Symbols

Various symbols are used in this manual, the user's manual and on the product itself to ensure correct usage, to prevent danger to the user and others, and to prevent property damage. The meanings of these symbols are described below. It is important that you read these descriptions thoroughly and fully understand the contents.

⚠ WARNING This symbol indicates information that, if ignored, could possibly result in personal injury or even death due to incorrect handling.

⚠ CAUTION This symbol indicates information that, if ignored, could result possibly in personal injury or physical damage due to incorrect handling.

Typical Symbols

This symbol indicates an additional warning (including cautions). An illustration is provided to clarify the contents.

This symbol indicates a prohibited action. The contents will be clearly indicated in an illustration or nearby (the symbol to the left indicates that disassembly is prohibited).

This symbol indicates a compulsory action. The contents will be clearly indicated in an illustration or nearby (the symbol to the left indicates that the power plug should be disconnected from the power outlet).

⚠ WARNING

Never use the monitor if a problem should occur.

Abnormal operations such as smoke, strange odor, no image, no sound, excessive sound, damaged casing, elements, cables, penetration of liquids or foreign matter, etc. can cause a fire or electrical shock.
In such case, immediately turn off the power switch and then disconnect the power plug from the power outlet. After making sure that the smoke or odor has stopped, contact your dealer. Never attempt to make repairs yourself because this could be dangerous.

Disconnect the plug from the power outlet.

Do not insert liquids or foreign objects.

Penetration of liquids or foreign objects could result in fire or electrical shock. Use special caution in households where children are present.
If liquids or foreign objects should enter the monitor, immediately turn off the power switch, disconnect the power plug from the power outlet and contact your dealer.

- Do not place the monitor in a bathroom.
- Do not expose the monitor to rain or moisture.
- Do not place flower vases, pots, cups, cosmetics, liquids such as water, etc. on or around the monitor.
- Do not place metals, combustibles, etc on or around the monitor.

Do not disassemble.

Never disassemble or modify the monitor.

The monitor contains high voltage components. Modification could result in fire or electrical shock.

- Never remove any fixed cover.

Do not give the monitor any shock or impact.

If the monitor should be shocked and/or broken, it could result in an injury, and continued use could result in fire or electrical shock. If the glass panel is broken or damaged, immediately turn off the power switch, disconnect the power plug from the power outlet and contact your dealer.

Do not place the monitor on an unstable surface.

If the monitor should be dropped and/or broken, it could result in an injury, and continued use could result in fire or electrical shock.

- Do not place the monitor on an unstable, slant or vibrant surface such as a wobbly or inclined stand.

Do not obstruct the ventilation of the monitor.

If the ventilation is obstructed during the operation of the monitor or just after switching off the power, it could result in damage and shorten the lifespan of your monitor due to overheating. Make sure there is ample ventilation.

- Keep a space of 100mm (10cm) or more between the sides, rear and top of the monitor and other objects such as walls.
- Do not place anything around ventilation openings of the monitor.
- Never block ventilation openings.
- Do not put the LCD screen side up.
- Do not cover the monitor with a tablecloth, etc.
- Do not place the monitor on a carpet or bedding, or near a curtain.

Use only the correct power outlet.

Incorrect power supply could result in fire or electrical shock. Use only the correct power outlet depending on the indication on the monitor and the safety standard.

- The enclosed power cord must be used depending on the power outlet to be used.

SAFETY INSTRUCTIONS (continued)

About the Symbols (continued)

⚠ WARNING

Be cautious of the power cord connection.

Incorrect connection of the power cord could result in fire or electrical shock.

- Do not touch the power cord with a wet hand.
- Check that the connecting portion of the power cord is clean (with no dust), before using. Use a soft and dry cloth to clean the power plug.
- Insert the power plug into a power outlet firmly. Avoid using a loose, unsound outlet or contact failure.
- Do not cut off the fitted power plug, the removal of which could lead to impaired performance. If you wish to extend the lead, obtain an appropriate extension lead or consult your dealer.
- Should you require replacing the fuse in the molded plug with a new fuse, then please replace with new one of the same value, type and approval as the original. Ensure the fuse cover is returned to its original position.

Be sure to keep safety ground connection.

Surely connect the ground wire.

Connect the ground terminal of AC inlet of this monitor with the ground terminal provided at the power outlet using the enclosed power cord. If the provided plug does not fit your outlet, consult an electrician for replacement of the obsolete outlet.

Be careful in handling the power cord and external connection cables.

If you keep using a damaged power cord or cables, it can cause a fire or electrical shock. Do not apply too much heat, pressure or tension to the power cord and cables.

If the power cord or cables are damaged (exposed or broken core wires, etc.), contact your dealer.

- Do not place the monitor or heavy objects on the power cord and cables. Also, do not place a spread, cover, etc, over them because this could result in the inadvertent placing of heavy objects on the concealed power cord or cables.
- Do not pull the power cord and cables. When connecting and disconnecting the power cord or cables, do it with your hand holding the plug or connector.
- Do not place the cord near the heater.
- Do not touch the power plug just after disconnecting it from the power outlet to prevent electric shock.
- Do not touch the power plug when lightening is close to you.
- Avoid coiling the power cord and bending it sharply.
- Protect the power cord from being walked on, pinched particularly at plugs, conveniences receptacles, and the point where they exit from the apparatus.
- Do not modify the power cord.

Be careful in handling the battery of the remote control.

Incorrect handling of the battery could result in fire or personal injury. The battery may explode if not handled properly.

- Keep the battery away from children and pets. If swallowed consult a physician immediately for emergency treatment.
- Do not allow the battery to be exposed to fire or water.
- Avoid fire or high-temperature environment.
- Do not hold the battery with metallic tweezers.
- Keep the battery in a dark, cool and dry place.
- Do not short circuit the battery.
- Do not recharge, disassemble or solder the battery.
- Do not physically impact the battery.
- Use only the battery specified in the manual of this monitor.
- Make sure the plus and minus terminals are correctly aligned when loading the battery.
- If you observe a leakage of the battery, wipe out the liquid and then replace the battery. If the liquid adheres your body or clothes, rinse well with water.
- Obey the local laws on disposing the battery.

• FOR THE CUSTOMERS IN THE U.K.

THIS PRODUCT IS SUPPLIED WITH A TWO PIN MAINS PLUG FOR USE IN MAINLAND EUROPE. FOR THE U.K. PLEASE REFER TO THE NOTES ON THIS PAGE.

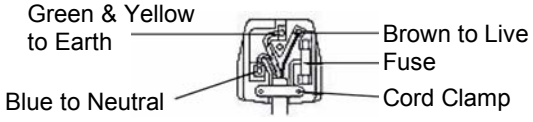
IMPORTANT FOR UNITED KINGDOM

WORDING FOR CLASS I EQUIPMENT INSTRUCTION BOOKS AND LABELS

The mains lead on this equipment is supplied with a molded plug incorporating a fuse, the value of which is indicated on the pin face of the plug. Should the fuse need to be replaced, an ASTA or BSI approved BS 1362 fuse must be used of the same rating. If the fuse cover is detachable never use the plug with the cover omitted. If a replacement fuse cover is required, ensure it is of the same colour as that visible on the pin face of the plug. Fuse covers are available from your dealer.
DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.
Should it be necessary to change the mains plugs, this must be carried out by a competent person, preferably a qualified electrician.
If there is no alternative to cutting off the mains plug, ensure that you dispose of it immediately, having first removed the fuse, to avoid a possible shock hazard by inadvertent connection to the mains supply.

WARNING: THIS EQUIPMENT MUST BE EARTHED
IMPORTANT

The wires in the mains lead are coloured in accordance with the following code :
Green and Yellow = Earth, Blue = Neutral, Brown = Live.
As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured GREEN and YELLOW must be connected to the terminal in the plug which is marked with the letter E or by the earth symbol ⏚ or coloured GREEN or GREEN and YELLOW.
The wire coloured BLUE must be connected to the terminal marked with the letter N or coloured BLUE or BLACK. The wire coloured BROWN must be connected to the terminal marked with the letter L or coloured BROWN or RED.



SAFETY INSTRUCTIONS (continued)

About the Symbols (continued)

⚠ CAUTION

Be careful in moving the monitor.

Neglect could result in an injury or damage.

- Do not move the monitor during use. Before moving, disconnect the power plug and all external connections.
- You are advised to move the monitor with two persons.
- Avoid any impact or shock to the monitor; particularly take care of glass screen.

Do not put anything on top of the monitor.

Placing anything on the monitor could result in loss of balance or falling, and cause an injury or damage. Use special caution in households where children are present.

Avoid a humid or dusty place.

Placing the monitor in a smoke, a highly humid, dusty place, oily soot or corrosive gas could result in fire or electrical shock.

- Do not place near the kitchen, a humidifier or other place where there is oil, smoke or humidity.

Avoid a high temperature environment.

The heat could have adverse influence on the monitor and other parts, and could result in transformation, melting or fire.

- Do not place the monitor, the remote control and other parts in direct sunlight or near a hot object such as heater, etc.
- Do not put the monitor in a place where the temperature is widely changing.

Remove the power cord for complete separation.

- For safety purposes, disconnect the power cord if the monitor is not to be used for prolonged periods of time.
- Before cleaning, turn off and unplug the monitor. Neglect could result in fire or electrical shock.

Disconnect the plug from the power outlet.

Be careful in operating power swivel.

- Placing hands or faces near the monitor whilst operating the swivel function could cause a physical injury or damage.
- Use special caution in households where children are present.

PRECAUTIONS

Installation environment

Do not obstruct a ventilation hole.
Do not put the monitor on carpet or blanket, or near a curtain which has a possibility of obstructing a ventilation hole of the monitor.
Do not put the monitor in the following places.

- Hot places such as near heater, place exposed to the direct rays of the sun.
- A place where the temperature is widely changing.
- Places with soot, dust or high humidity.
- Poor air ventilation place.
- Place near fire.
- A wet place such as bathroom, or shower room.
- Place where you can trip over it.
- Always vibrating or strongly vibrating places.
- Distorted or unstable places.

Please avoid installing the monitor directly on the wooden floor. Depending on the quality and the condition of the floor, the monitor stand may stick to the floor face, and the surface could come off when the monitor is lifted up.

How to view the monitor

If you use the monitor in too dark a room, your eyes may become tired.
Please use it in a reasonably bright room.
Avoid direct rays of the sun to the screen in order to prevent eye fatigue.
Your eyes will get fatigued after viewing the monitor for long period of time.
Relax your eyes by viewing away from the monitor from time to time.
Please watch the monitor in downward direction.

How to clean the LCD screen panel of the monitor

Before cleaning the monitor, turn off the monitor and disconnect the power plug from the power outlet.
To prevent scratching or damaging the LCD screen face, do not knock or rub the surface with sharp or hard objects. Clean the screen with a soft cloth moistened with warm water and dry with a soft cloth. If it is not enough, then use a cloth with mild detergent. Do not use harsh or abrasive cleaners.

How to clean the cabinet of the monitor

Use a soft cloth to clean the cabinet and control panel of the monitor. When excessively soiled dilute a neutral detergent in water, wet and wring out the soft cloth and afterward wipe with a dry soft cloth.
Never use acid/alkaline detergent, alcoholic detergent, abrasive cleaner, powder soap, OA cleaner, car wax, glass cleaner, etc. especially because they would cause discoloration, scratches or cracks.

SAFETY INSTRUCTIONS (continued)

About the Symbols (continued)

Prevention of an obstacle to Radio receivers

This monitor has been designed pursuant to the international EMI standards. This is to prevent a problem to Radio receivers.

- Keep the monitor away from Radio.
- Adjust Radio antennas in order for the monitor not to receive interference.
- The antenna cable of Radio should be kept away from the monitor.
- Use a coaxial cable for antenna.

You can check if this monitor influences Radio receivers by turning off all other equipment other than the monitor.
If you find a problem receiving Radio when using the monitor, check the instructions mentioned above.

Precautions for the cable connection

- Do ensure that all connections, (including the power plug, extension leads and interconnections between the pieces of equipment), are properly made and in accordance with the manufacturers instructions. Switch off and withdraw the power plug before making or changing connections.
- Confirm the connector is fixed tightly when the signal cable is connected.
- Also confirm the screws on the connector are tightened.
- Plug the power cord of the monitor into a different socket from that for other equipment, such as Radio etc..
- Use a plug with ground terminal and make sure that it connects to the ground.

Precaution during transportation

Please pay attention when you transport this monitor because it is heavy.
Furthermore, use the original carton box and its packaging materials when the monitor is transported.
Failure to transport the monitor in any carton except the original carton may result in damage to the monitor.
Save the original carton box and all packing material.
Do not push the monitor over sideways as transporting it. It may cause damage on the panel glass, increase of the screen defects and/or damage of the internal fluorescent lamps.

Do not physically impact the remote control.

A physical impact could cause damage or malfunction of the remote control.

- Take care not to drop the remote control.
- Do not place heavy objects on the remote control.

Avoid strong rays.

Any strong rays (such as direct sun rays or room lighting) onto the remote control sensors could invalidate the remote control.

Avoid radio interference.

Any interfering radiation could cause distorted images or noises.

- Avoid radio generator such as a mobile telephone, transceiver, etc. around the monitor.

Set the sound volume at a suitable level.

It is better to keep the volume level low and close the windows at night to protect the neighbourhood environment.

Precautions for the installation

- Do not use makeshift stands and NEVER fix legs with wood screws - to ensure complete safety, always fit the manufacturers approved stand or legs with the fixings provided according to the instructions.
- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- This product is designed to comply with the recommended safety standards for tilt and stability. Do not apply excessive pulling force to the front, or top, of the cabinet that could cause the product to overturn resulting in product damage and/or personal injury.
- Follow instructions for wall, shelf or ceiling mounting as recommended by the manufacturer.
- Only use the attachments/accessories specified by the manufacturer.
- Consult your dealer if you are in any doubt about installation, operation or safety of your equipment.

Other precautions

- Do not leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation or has a stand-by mode. Switch off using the switch on the equipment and show your family how to do this. Make special arrangements for infirm or handicapped people.
- Disposal of this product may require specific instructions pertaining to your resident region.
- Never guess or take any chances with electrical equipment of any kind - it is better to be safe than sorry!

NOTES

About screen defects

- High precision technology is used in the making of LCD panels, but there may be dark spots (points that do not illuminate) and bright spots (points that are too bright) in some cases. These do not indicate a malfunction.

About residual images

- In some cases, residual images may remain after the short-term display of still images is displayed. These will disappear in a few minutes, and the display will return to normal. However, if used in high temperatures, it sometimes spends some tens of minutes to return to normal. Please note that this is not a malfunction.

About the panel screen

- LCD screen display images by illuminating fluorescent lamps inside of the panel. Because of this, the temperature of the panel surface may rise in some cases. Also, LCD panels are made of finely processed glass, so please avoid pushing by fingers or hands and giving strong impact on the panel. It may cause damage to the LC cells, and/or there is danger of glass breakage.

About the power swivel

- Do not put hands or faces close to the monitor whilst operating the swivel function.
- It could cause a physical injury. Use special caution in households where children are present. (Refer to Power Swivel shown on 23)

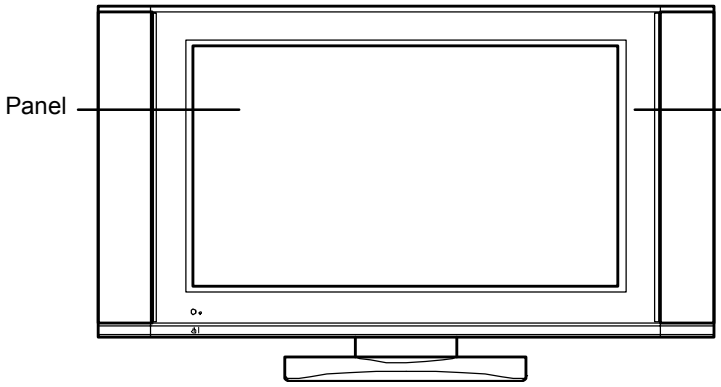
Using in low temperatures

- The response speed of LCD panel becomes slow as the ambient temperature goes down. This feature may cause residual images in some cases, but this is not a malfunction. It will return to normal in a while after the temperature becomes normal.

COMPONENT NAMES

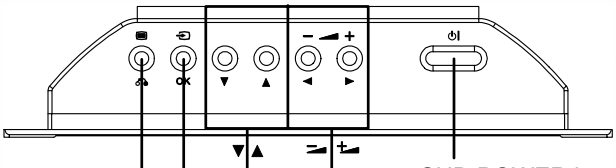
Main Unit

Front



Control panel

- Adjustment buttons are located on the top.



SUB-POWER button 19

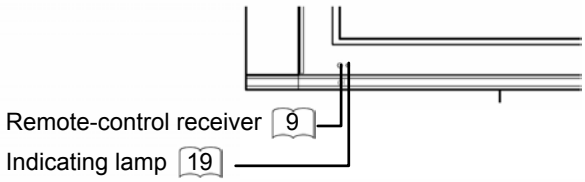
VOLUME UP/DOWN buttons 22
(◀▶ADJUST buttons)

CHANNEL UP/DOWN buttons 20
(▲▼SELECT buttons)

INPUT SELECT button 20
(OK button)

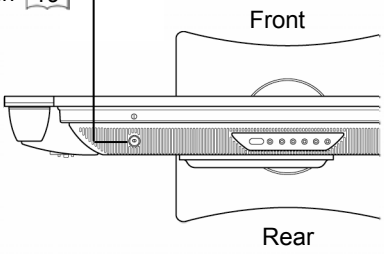
MENU button 28

- ( ) indicates the function whilst the MENU is displayed on the screen.



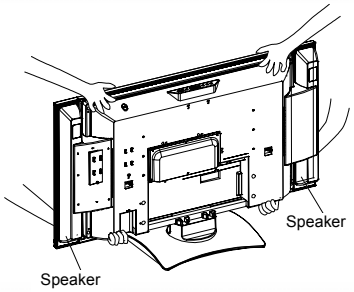
- The main power switch is located on the top.

Main power switch 19

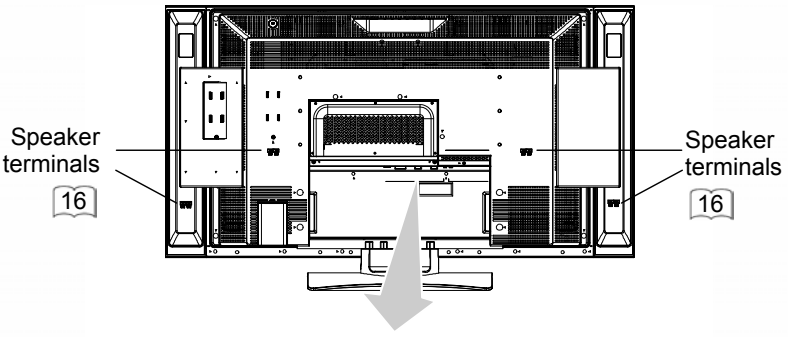


Caution when moving the main unit

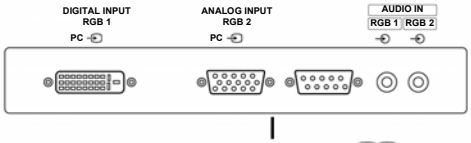
- As this product is heavy, whenever it is moved, two people are required to transport it safely.
- Whenever the unit is moved it should be gripped by holding the top of the monitor, and the unit should then be held at the base on both sides for stability as shown.
- Do not hold the speaker units whilst moving the set. The speaker holders may be separated off and the monitor may fall, and it may result in a physical injury.



Rear



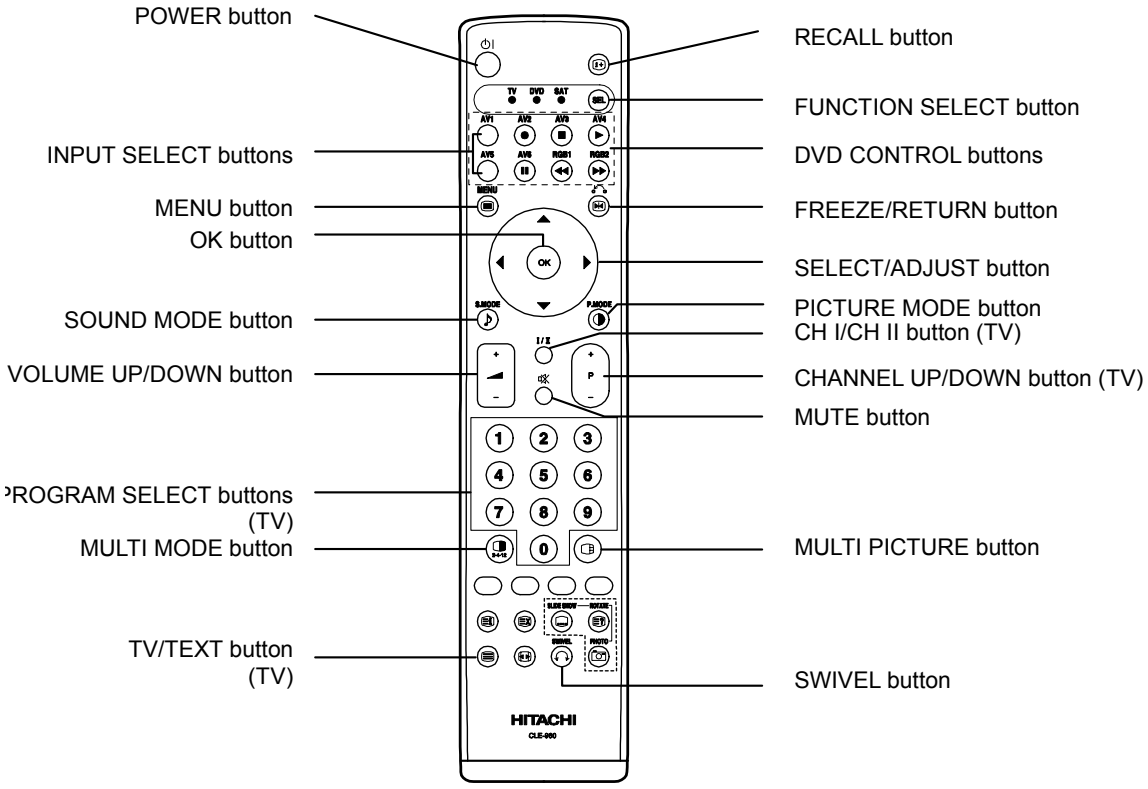
External device connection terminals



RGB input terminals 15

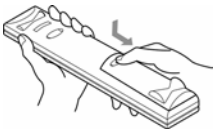
COMPONENT NAMES (continued)

Remote control

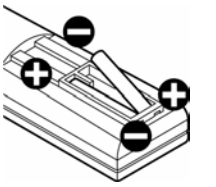


Loading Batteries

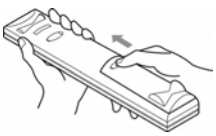
1. **Open the battery cover.**
   - Slide back and remove the battery cover in the direction of the arrow.



2. **Load batteries.**
   - Load two Size AA batteries included observing the correct polarities.



3. **Close the battery cover.**
   - Replace the battery cover in the direction of the arrow and snap it back into place.

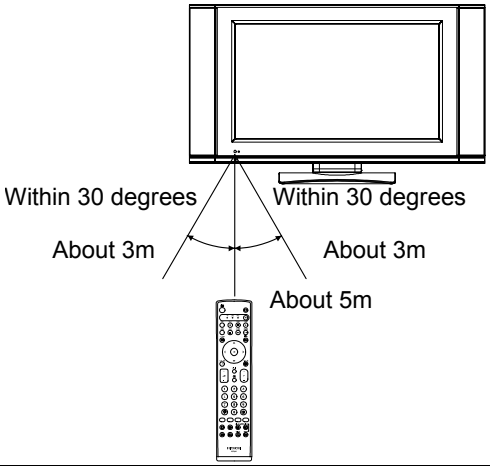


⚠ CAUTION

- Do not use new and old batteries together. The batteries could explode or leak, resulting in fires, physical injury, or stains.
- When loading batteries, observe their correct polarities as marked on the product. If loaded in the wrong direction, the batteries could explode or leak, resulting in fires, physical injury, or stains.

Handling the Remote Control

Use the remote control within about 5 m from front of the unit's remote-control sensor and within 30 degrees on both sides.



ATTENTION

- Do not drop or impact the remote control.
- Do not splash the remote control with water or put it on a wet object to avoid possible failures.
- Before leaving the remote control out of use for an extended period of time, remove the batteries from it.
- If the remote control begins to lack responsiveness, replace the batteries.
- Strong light such as direct sunlight impinging on the photoreceptor of the remote control can cause operational failure. Position this unit to avoid direct contact with such light.

COMPONENT NAMES (continued)

Remote control (continued)

FUNCTION SELECT
Press this button to indicate function mode with a lamp. *1

DVD and SAT *2

INPUT SELECT
Press these buttons to change input mode.

SOUND MODE
You may recall the sound mode by pressing this button. Each time pressed, sound mode is changed in following sequence.

Movie → Music
↑ ↓
Favourite ← Speech

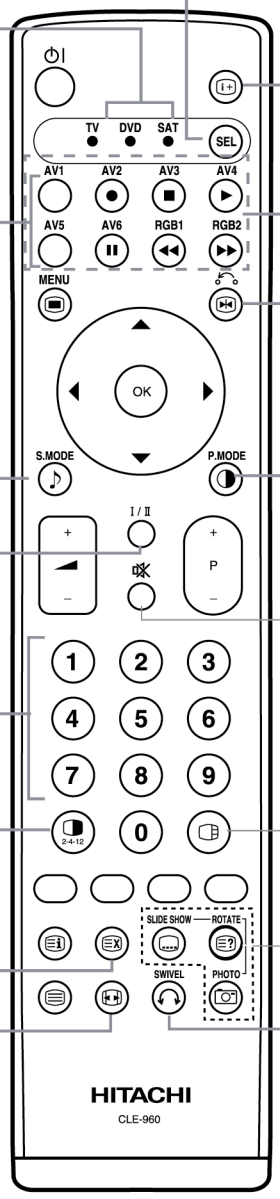
CH I/II
This button is for A2 / NICAM models only.

PROGRAM SELECT
Press these buttons to select a TV program directly.

MULTI MODE
In multi-picture mode, pressing this button will change the multi-picture mode.

TIME (TV)
Pressing this button can indicate the time by On-Screen display when receiving a TV program on the screen including TELETEXT service with the time information.

ZOOM
Press this button can change Picture size.



RECALL (TV / VIDEO / RGB)
Press this button to display input signal.

DVD CONTROL
You can use these buttons to operate the selected brand of DVD player.

FREEZE/RETURN
Press this button to change the picture to freeze mode. Press it again to return to normal picture.

PICTURE MODE
You may recall the picture mode by pressing this button. Each time pressed, picture mode is changed in following sequence.

→ Dynamic → Natural → Cinema

MUTE
Press this button to turn off the set sound. When press again or the volume up button, the audio will be restored.

MULTI PICTURE
Press this button to change the screen to multi-pictures. Press it again to return to normal picture.

PHOTO INPUT
These buttons are not available in this model.

SWIVEL
Press this button to rotate TV. Use cursor key (◀▶) to select the degree of rotation.

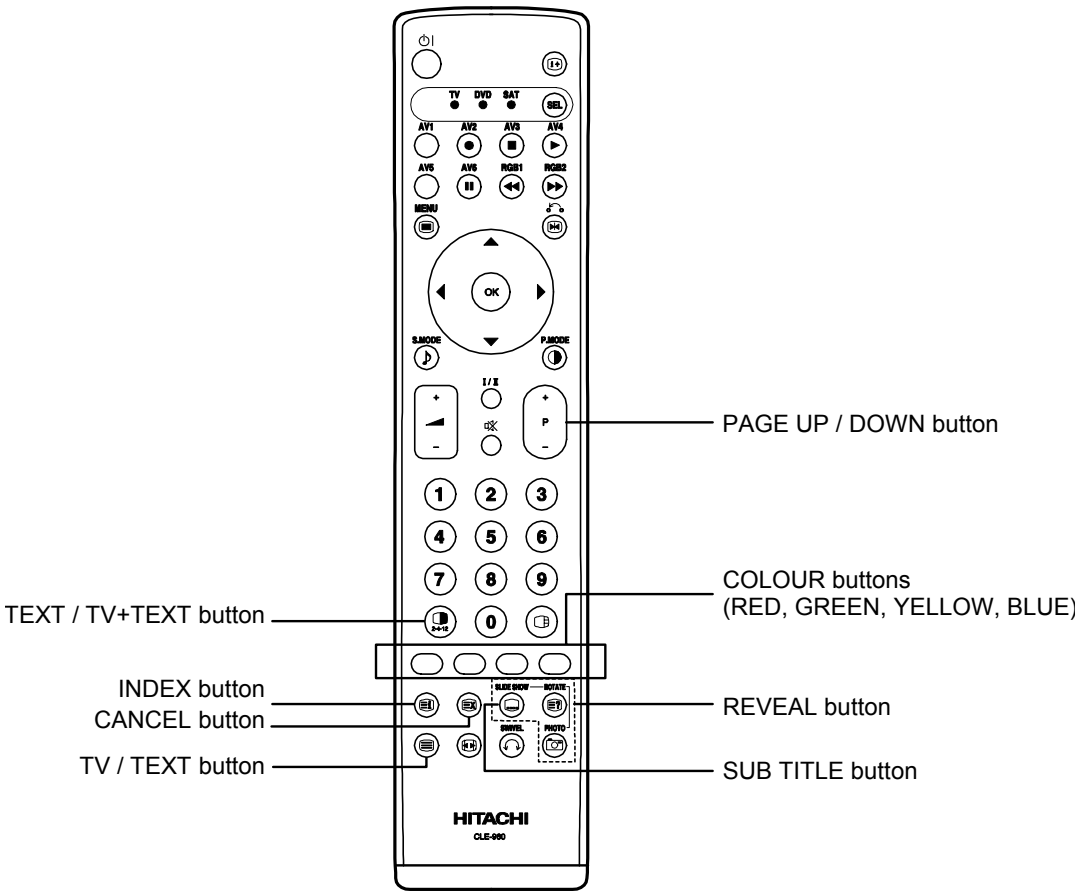
*1 FUNCTION SELECT button
This remote control has functions to control other makers of DVD player, DVD Recorder, and Set Top Box as well as this set.
Press the SEL button to switch between TV, DVD and SAT modes.
Each time the SEL button is pressed, the indicator will light below the function selected.
For details, refer to 43.

*2 LED
The LED indicator lamps for DVD and SAT have 2 modes (Lit or blinking).
Lit: Indicates the mode that has been selected. Press the SEL button to change modes when the LED is lit.
Blinking: Indicates that the maker of DVD or STB can be set. You can set up the maker of DVD or STB whilst the LED is still blinking (30 sec). For details, refer to 43 44.

COMPONENT NAMES (continued)

Remote control (continued)

[Buttons for TELETEXT Mode]



TELETEXT FUNCTION

Buttons on Remote Control	Function
TV / TEXT	This switches the receiver between the TV mode and the TELETEXT mode.
TEXT / TV + TEXT	In TELETEXT mode, this button switches between TV+TEXT screen (split) and TELETEXT only.
INDEX	This selects the Index page.
SUB TITLE	Use this to access a subtitle service directly rather than through a TELETEXT service (subject to subtitle service broadcasting).
CANCEL	This allows the screen to return to the TV mode temporarily whilst searching for a required text page. When the required text page has been received, the page number will be displayed at the top left of the screen. Press the CANCEL button again to display the TELETEXT screen.
RED GREEN YELLOW BLUE	Each of these buttons selects a link page displayed at the lower part of the screen.
REVEAL	This allows hidden information (found on some teletext pages) to be displayed on the screen.
PAGE UP / DOWN	This button increases / decreases the TELETEXT page number.

NOTE

- Certain pages do not show linked pages at the bottom of the screen. To display linked pages, press the INDEX button.
- Refer to Teletext Language shown on 30

INSTALLATION INSTRUCTIONS

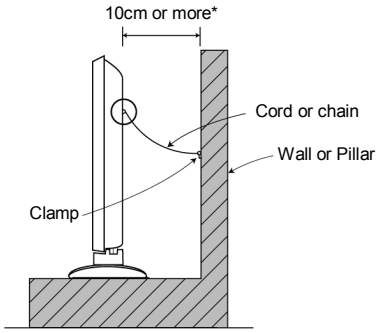
Installation

⚠ WARNING

Use one of the special mount units to install this product. A mount of insufficient strength or inadequate design can cause overturning or dropping and result in fire, electrical shock or injury. Please note that our company assumes absolutely no responsibility for personal injuries or property damage caused by use of other mount units or improper installation.

⚠ CAUTION

- In order to prevent an internal temperature increase, maintain a space of 10cm (4 inches : For a desktop setup) or more between the sides and other objects such as walls, etc., so that the ventilation holes are not blocked.(*)



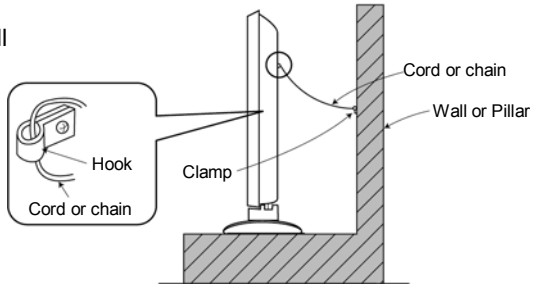
Anti-tumble measures

⚠ CAUTION

Have this unit mounted in a stable place. Take measures to prevent it from tumbling down to avoid possible physical injury.

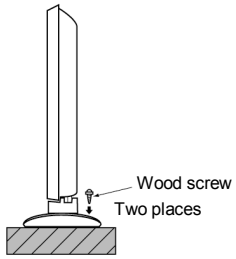
Securing to a wall or pillar

Using a commercially available cord, chain and clamp, secure the set to a firm wall or pillar. (There are two hooks on both sides of the rear panel.)



Securing desktop

(1) Using wood screws (two), fasten the set to the clamping screw holes on the rear of the stand as shown.
(2) Using commercially available wood screws, secure the set firmly in position.



Read SAFETY INSTRUCTIONS (3 to 6) carefully to ensure maximum safety before proceeding to these steps:

- **Choose an appropriate site and install the product on a level table where the stand is secure.**
  - Install the monitor to have ready access to a power socket available.
- **Make sure that the power switch of this device is turned off.**

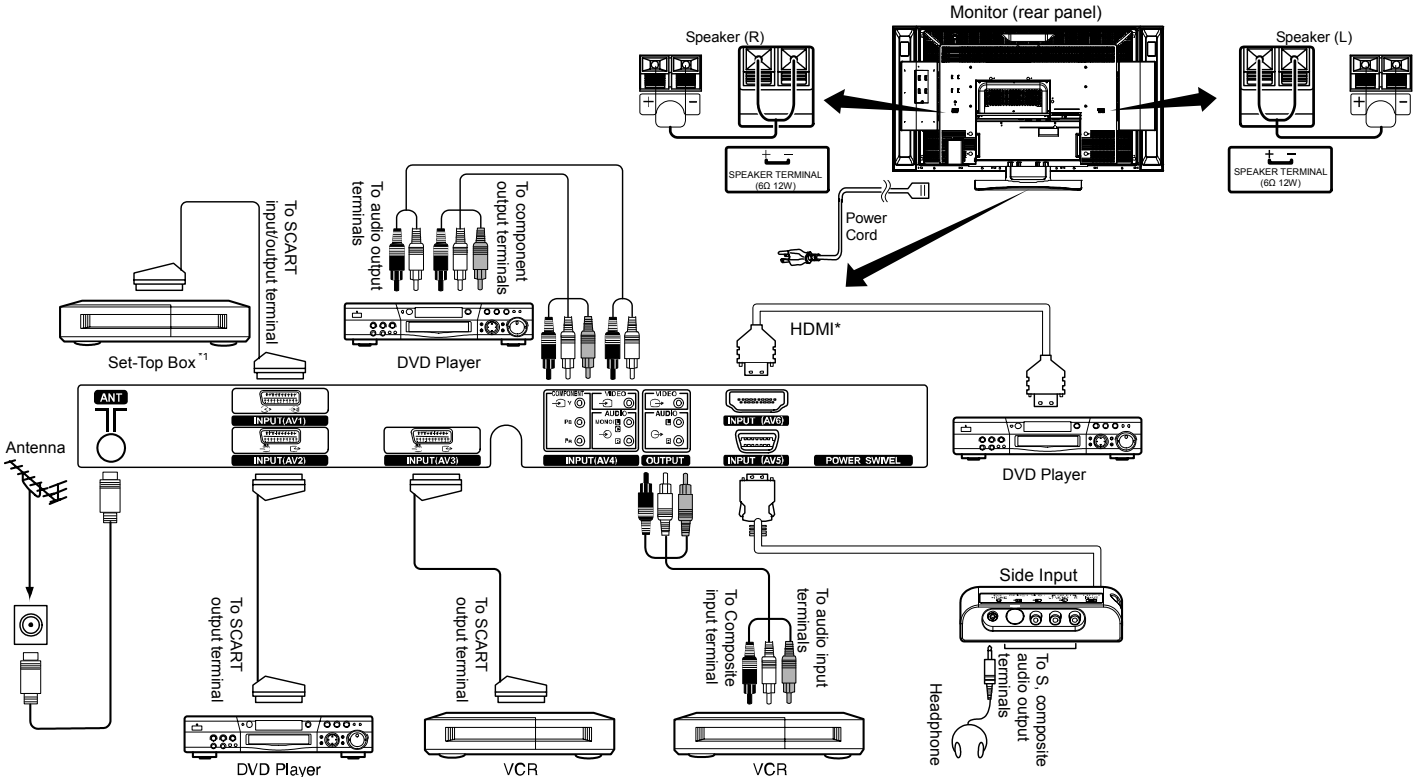
⚠ CAUTION

Loosen a cord or chain enough to avoid possible troubles whilst operating power swivel.

INSTALLATION INSTRUCTIONS (continued)

Connection to an Audio Visual Device

(1) Make sure that the power switch of the monitor is turned off.
(2) Make sure that the power switch of the audio visual device is turned off.
(3) Use a commercially available cable and connector to connect the signal input terminal on the rear panel of this device and the signal output terminal of the audio visual device.



*1 If you are connecting a satellice or cable receiver that does not require a Tuner output signal from the SCART, then for the bet results you can connect to AV2 or AV3.

[An example of connecting audio visual devices]

- AV1 SCART applies to composite/S-Video, and AV2 and AV3 SCART apply to composite/RGB.
- If a component input terminal and a composite input terminal of AV4 connect to the monitor at the same time, the component input would govern.
- If a video equipment with an S-Video output terminal is used, cabling by the S-Video cable is recommended to provide finer video quality. (If an S-Video input terminal and a video input terminal of AV5 (side input) connect to the monitor at the same time, S-Video input would govern.)
- If the OUTPUT (Monitor) terminal is connected to an external monitor with a 75 Ohm terminal, it is possible to view the same image as on the main unit. But it is possible to monitor only the composite video signal from AV1 ~ AV5 input that is displayed on the screen at the time.
- Set -Top Box is only for an AV1 input.(Tuner output signal is available only for AV1.)
- Secure connecting cables to the stand with the provided clamps.

HDMI*
- HDMI (High-Definition Multimedia Interface) is a digital interface based on DVI (Digital Visual Interface), which is an added function for audio visual equipment.
  - It does not have degradation by transmission since it is digital.
  - With only one cable, it is possible to transmit both picture signals and audio signals.
- In case of using analogue audio when connecting with DVI-HDMI transformation connector, use analogue audio terminal for AV4 input.

SCART Specification

	CVBS	S-Video	RGB
AV1	○	○	—
AV2	○	—	○
AV3	○	—	○

Connection to an Audio Visual Device (continued)

Precautions when connecting the antenna

- Please use a coaxial cable which is free from interference to connect the antenna. Avoid using a parallel flat feeder wire as interference may occur, causing reception to be unstable and stripe noise to appear on the screen.
- Avoid using indoor antenna as this may be affected by interference. Please use CATV net or outdoor antenna.
- Keep the power cord as far away from the antenna wire as possible.

If there are noise appearance in the picture of VHF-Low band channel, please use the double-shielded cable (not provided) for RF LEADS to reduce the noise.

INSTALLATION INSTRUCTIONS (continued)

Connecting to a PC

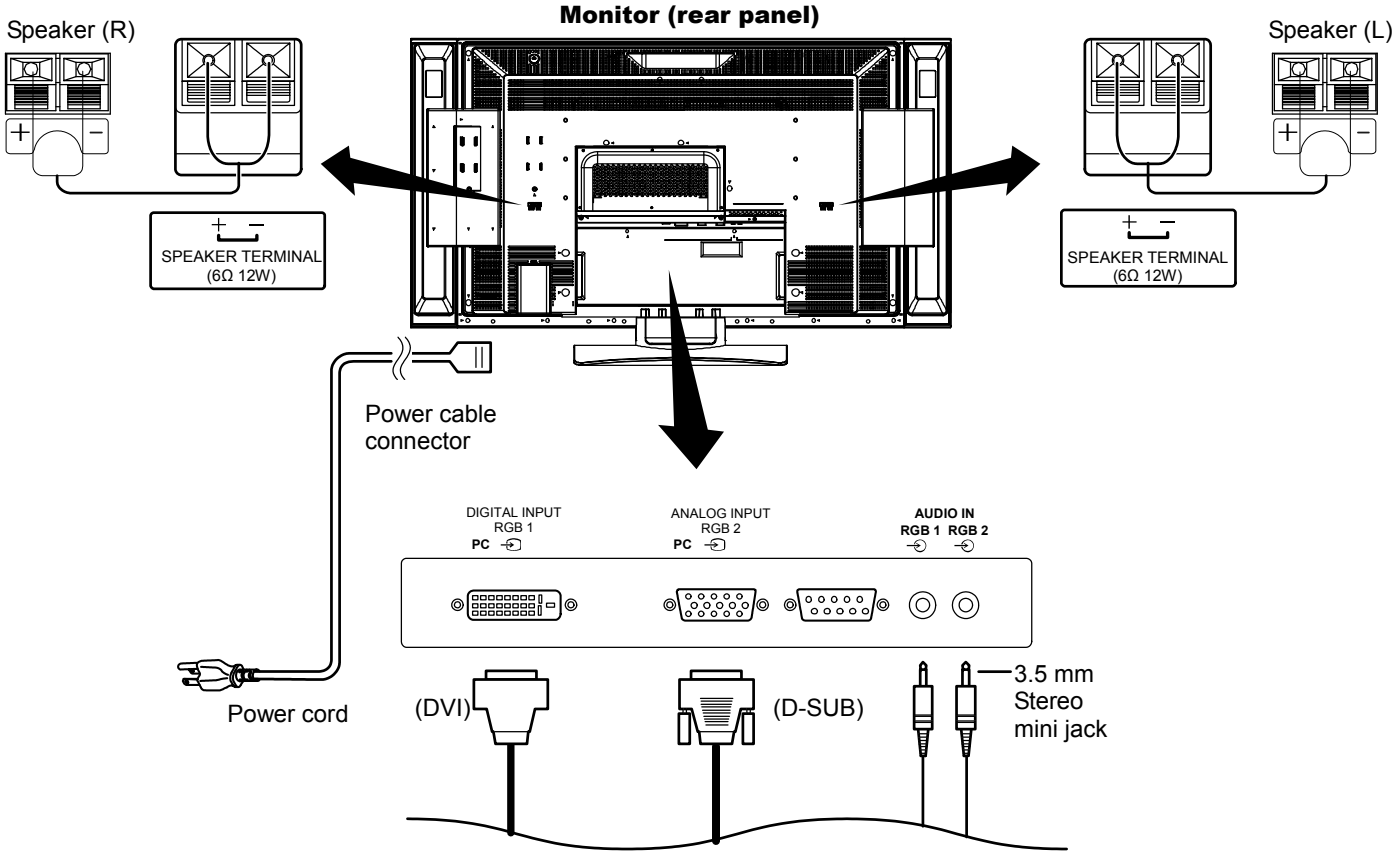
(1) Make sure that the display signal of the personal computer to be used is compatible with the specifications of this device.

- See "PRODUCT SPECIFICATIONS" concerning the specifications of this device. 50 ~ 52

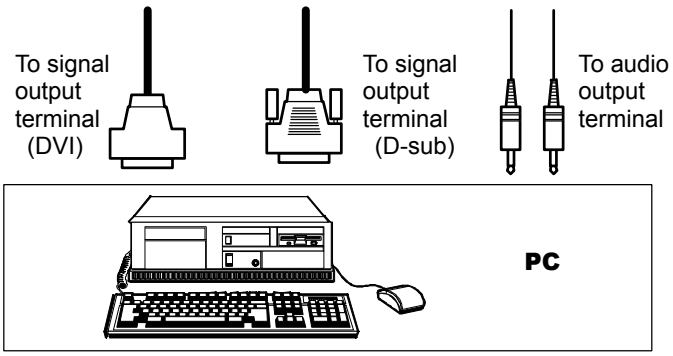
(2) Make sure that the power switch of the personal computer is turned off.

(3) Connect the signal input terminal (RGB 1 or RGB 2) on the rear panel of this device to the display signal output terminal of the personal computer.

- Use a cable that fits the input terminal of this device and the output terminal of the personal computer.
- Depending on the type of personal computer being connected, the use of an optional conversion adapter or the adapter provided with the personal computer may be necessary in some cases. For details, refer to the instruction manual of the personal computer or ask the personal computer manufacturer or your local retail dealer.

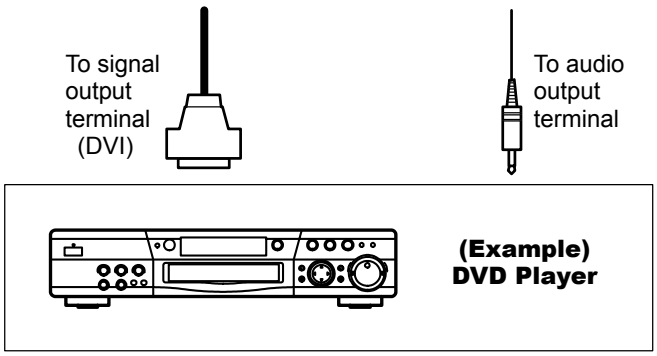


Connecting to a PC Device



- Setting
  RGB1: DVI-PC
  RGB2: RGB
  For details, refer to 51 52

Connecting to an Audio Visual Device



- Setting
  RGB1: DVI-STB
  RGB2: Component
  For details, refer to 50 51

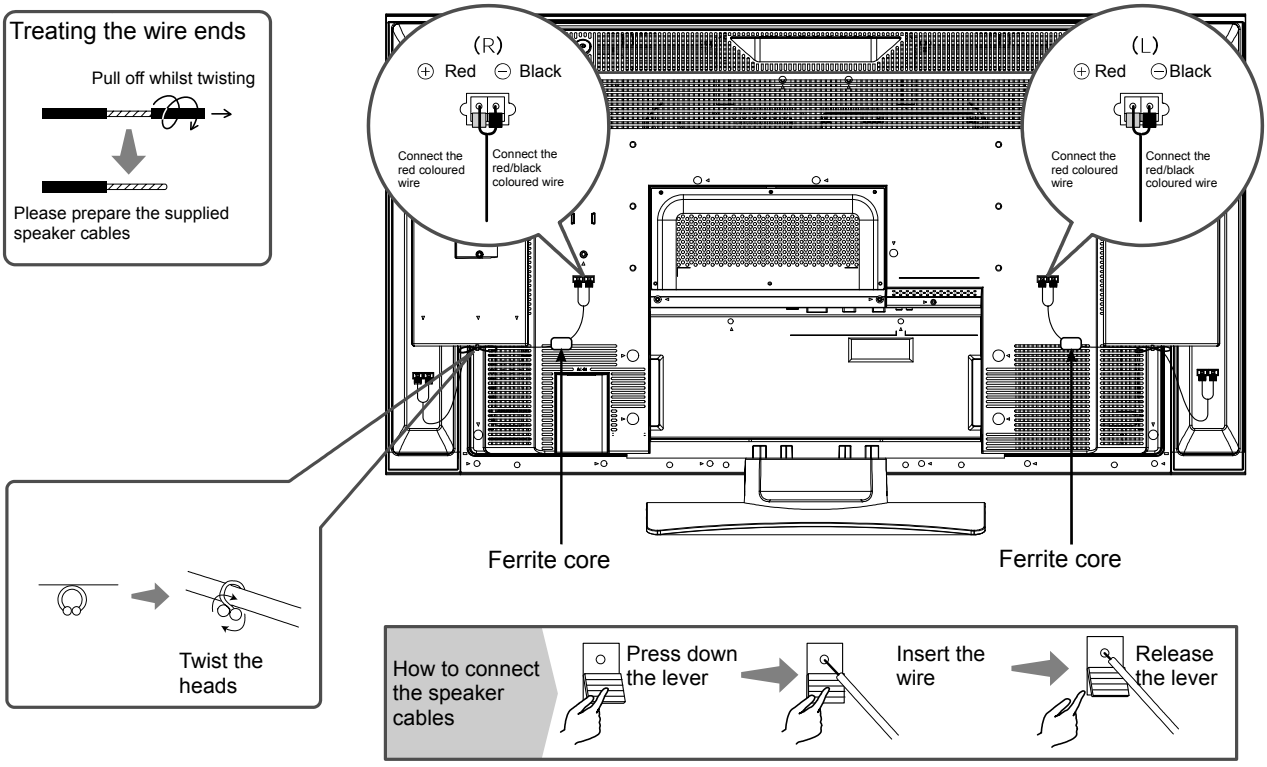
INSTALLATION INSTRUCTIONS (continued)

Connecting the Speaker Cables

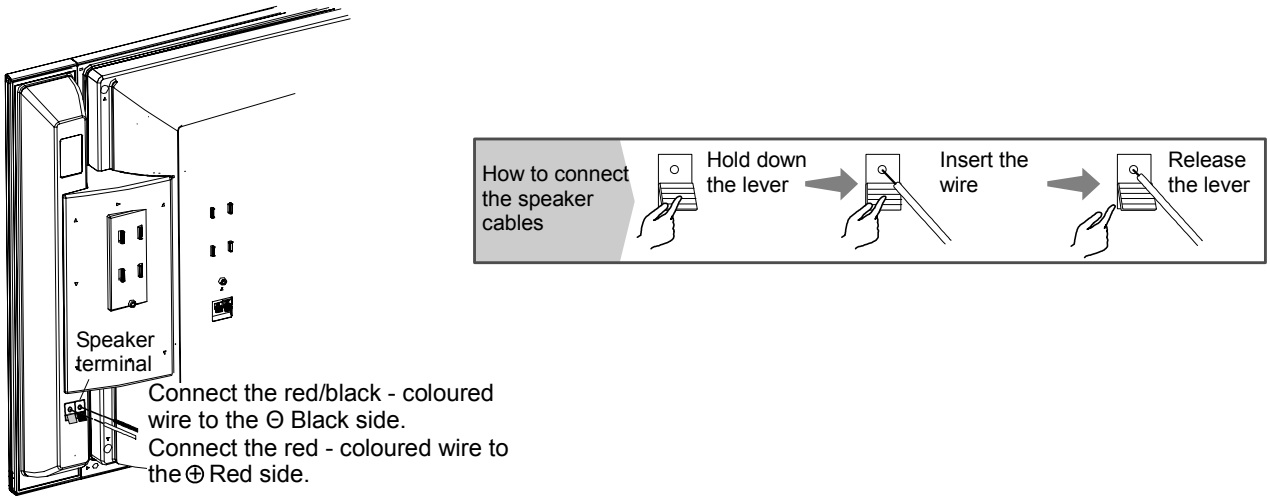
⚠ CAUTION

Make sure that the main power switch of the monitor is turned off (standby or indicating lamp: off/red) when removing or connecting the speaker cables.

1. Attach the speaker connecting cables to the monitor. (Make sure the ferrite core is toward the monitor side)



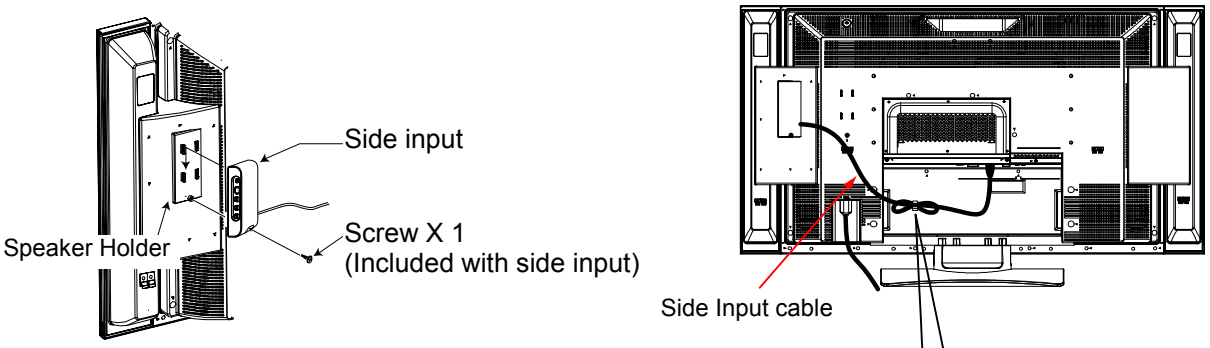
2. Attach the speaker cables to speaker systems.


Speaker terminal
Connect the red/black - coloured wire to the Θ Black side.
Connect the red - coloured wire to the ⊕ Red side.
How to connect the speaker cables
Hold down the lever
Insert the wire
Release the lever

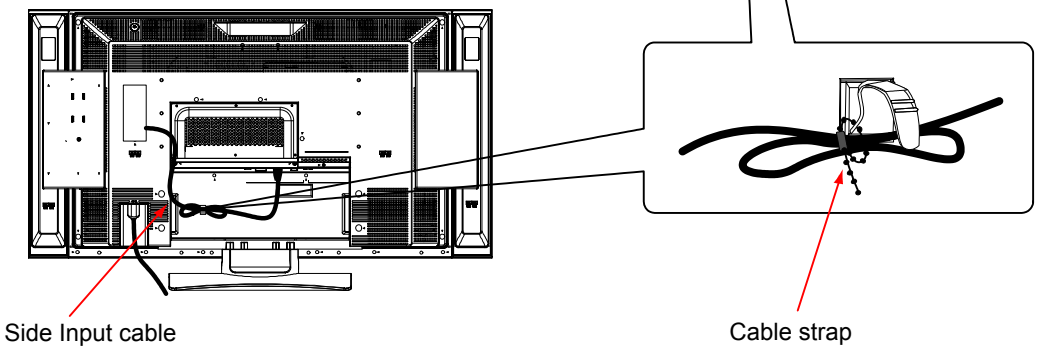
INSTALLATION INSTRUCTIONS (continued)

Mounting the Side Input

1. **Mount the side input into the speaker holder.**
   Hook the clamps (4 pieces) of the speaker holder into the holes as shown in the figure and pull them down until it sounds click.
   Fasten the side input with the speaker holder by the accessory screw .
   Refer to 13 about the connection of side input.
   See the below figure how to treat the cable.

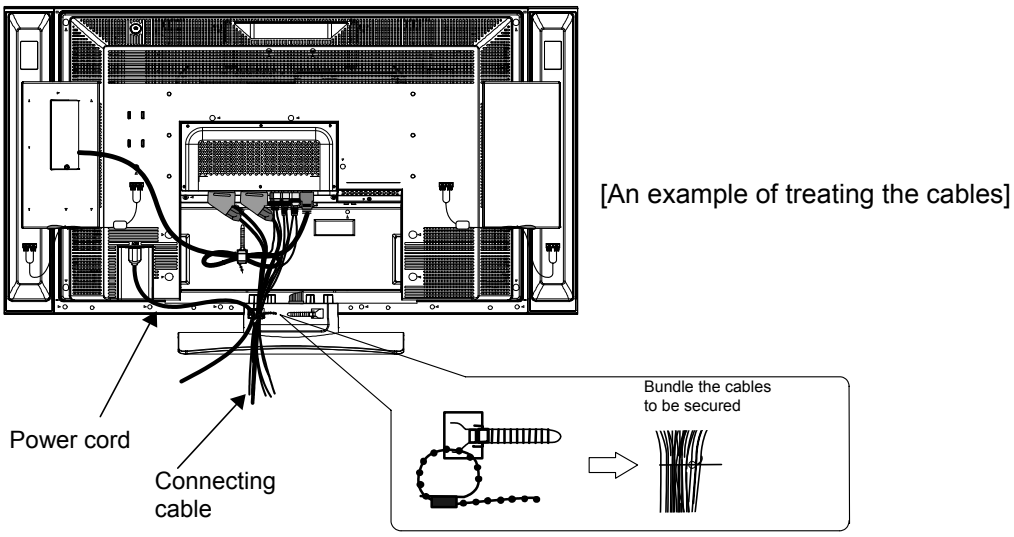


2. **Mount the side input into the holder on rear of the monitor.**
   Fasten the side input with the holder by the accessory screw.
   See the below figure how to treat the cable.



⚠ CAUTION

Make sure to secure the power cable and the connecting cables for other audio visual devices, except the speaker connecting cables, with the clamps and the cable strap of the monitor stand and the rear of it. When the monitor is swiveled, the connectors may drop out and generate heat. It could cause fire and/or connector failures.Moreover, when wiring up and securing these cables, give suitable slack not to rub the stand during swiveling or not to block the action of swivel.

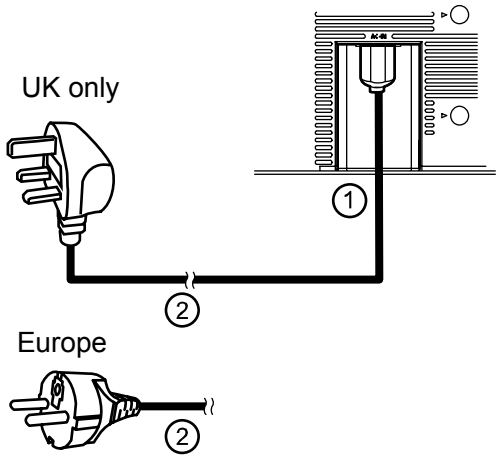


[An example of treating the cables]

INSTALLATION INSTRUCTIONS (continued)

Power Cord Connection

Connect the power cord, after completing all other connections.

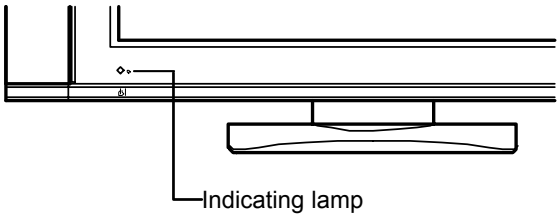


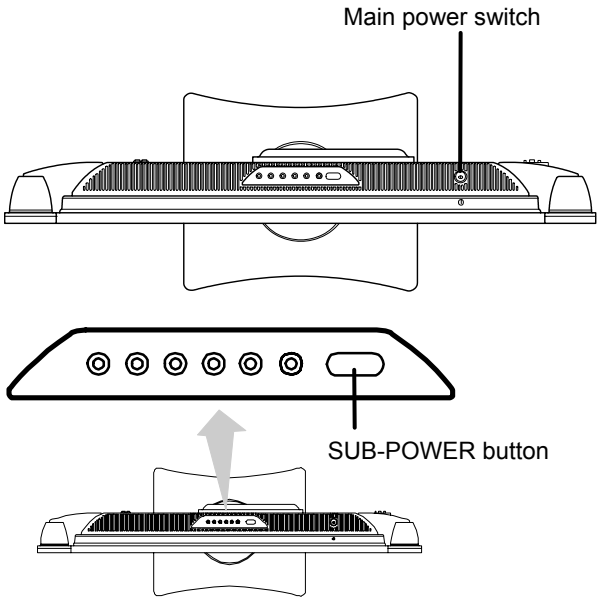
(1) Connect the power cord to this device.
(2) Connect the power cord plug to the power outlet.
(The type of plug is different from this drawing for some countries.)

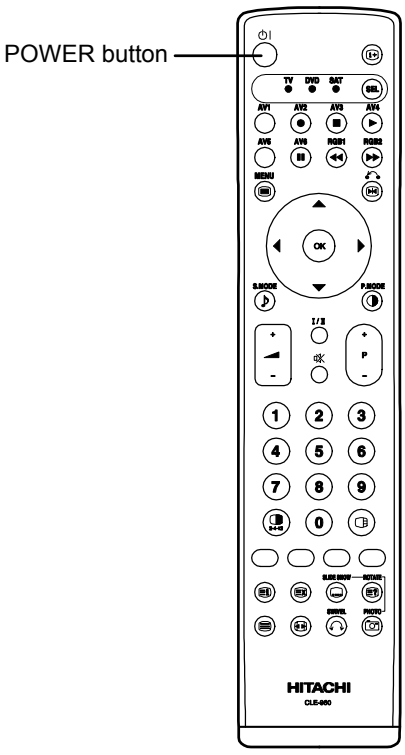
⚠ CAUTION

- Use only the power cord provided.
- Do not use a power supply voltage other than that indicated (AC100-240V, 50/60Hz) as this may cause fire or electric shock.

OPERATING INSTRUCTIONS







Turning Power On and Off

- **To turn the monitor power ON, press the main power switch on the monitor main unit to ON, and then press the SUB POWER button of control panel or the POWER button on the remote control.**
- **To turn the monitor power OFF, press the SUB POWER button of control panel or the POWER button on the remote control, and then press the main power switch on the monitor main unit to OFF.**
  - During normal use, the main power switch is set in the ON position, and the monitor can then be turned ON/OFF using the SUB POWER button or the POWER button on the remote control.

Indicating lamp

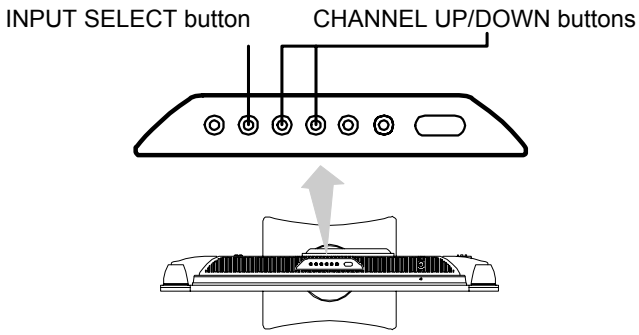
Indicating lamp	Power status	Operating
Off	Off	When the main power switch is set to OFF.
Lights red (⏻)	Off (standby)	When the main power switch is ON, and the POWER button on the remote control or the SUB POWER button on the upside of the monitor is OFF.
Lights green (|)	On	When the main power switch is ON, and the POWER button on the remote control or the SUB POWER button on the upside of the monitor is ON.
Lights orange	Off (Power Save)	When the main power switch is ON, and the POWER button on the remote control or the SUB POWER button on the upside of the monitor is ON. However, the state is in POWER SAVE mode.(RGB 1 and RGB 2 only.)

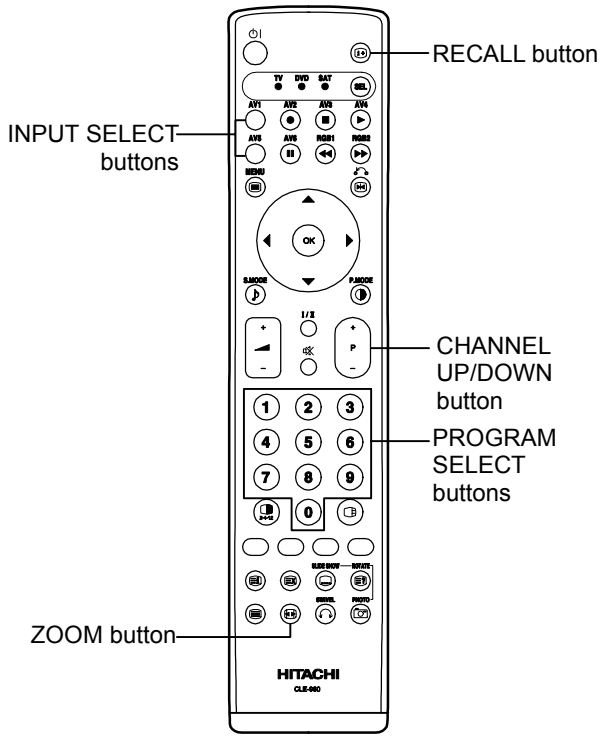
When the indicating lamp lights in orange or the message "No Sync. Signal", "Power Save" or "Invalid Scan Freq." appears on the screen, there is something unusual about the status of reception. See "Power Save Mode" or "Symptoms That Seemingly Appear to be Failures." 43 44 45

ATTENTION

- Avoid repeatedly turning the monitor on and off at short time intervals. Failures might result from such operation.
- Turn off the main power switch before leaving the monitor out of use for an extended period of time.
- If a power failure occurs whilst the main unit is running, it would be powered on upon recovery from the failure. Turn off the unit main power switch before leaving the main unit.

OPERATING INSTRUCTIONS (continued)





Input Switching

- **Input can be switched by pressing the AV1~6, RGB1 or RGB2 buttons of the remote control.**
- **Input can be switched to TV by pressing CHANNEL UP/DOWN button or PROGRAM SELECT buttons.**
- **Input can be switched in the sequence of TV → AV1 → AV2 → AV3 → AV4 → AV5 → AV6 → RGB1 → RGB2 by pressing the INPUT SELECT button of the control panel.**

TV → AV1 → AV2 → AV3 → AV4
RGB2 ← RGB1 ← AV6 ← AV5 ←

Size Switching

Each time the ZOOM button of the remote control is pressed, the screen display size will change in sequence and the status will be displayed at the bottom of the screen.

- **During TV/VIDEO signal input (AV4, AV5, AV6, RGB1(set to [DVI-STB])and RGB2(set to [Component]))**

Panoramic → 4:3 → Full
14:9Zoom ← C14:9L ← Zoom

- The size will fix as Full mode and not change when receiving the component signal of 1080i/50, 1080i/60, 720p/50 or 720p/60.

Full

- **During AV1 ~ AV3 signal input**

Auto → Full → Zoom
14:9Zoom ← C14:9L

- [Auto] is the mode using the Switch signal from the equipment connected to AV1~AV3 terminal included in SCART connector No.8 pin which indicate the picture format of the video source. When Switch signal has not been detected, Default Zoom setting in the Function Menu is used to choose.
- **During TV mode**

Auto → Full → Zoom
14:9Zoom ← C14:9L

- [Auto] is the mode using WSS (Wide Screen Signals) which identify the picture format movies and programs are broadcast in. Various broadcast stations now transmit WSS. It can be detected and the monitor automatically switch to the correct format. However, some broadcasters do not transmit WSS, so this monitor will not recognise which format is being transmitted. Therefore, Default Zoom setting in the Function Menu is used to choose when a WSS has not been sent or has not been detected.

Display size selection diagram

When you want to	Set the display size to	Input signal	Display screen	Remarks
Play a 4:3 image in a 16:9 screen faithfully.	4:3	(4:3 signal)		Blanking occurs on both sides.
Play a 4:3 image in a 16:9 screen with the height and width of the middle of the screen enlarged on equal scales and with both sides appearing somewhat enlarged.	Panoramic			
Play a 16:9 VISTA size image in the 4:3 image faithfully reproduced on the 16:9 screen.	Zoom	(Vista)		• The 4:3 image is called a letterbox image. • In some cases, some slight blanking may remain at the top and bottom.
Play a 4:3 image faithfully in a 16:9 screen in the standard vertical size and horizontally squeezed.*	Full	(Squeeze)		* An image with an aspect ratio of 16:9 shrunk horizontally to 4:3 to display in a 4:3 screen.

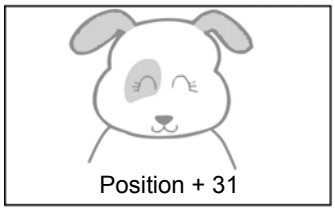
OPERATING INSTRUCTIONS (continued)

Size Switching (continued)

When you want to	Set the display size to	Input signal	Display screen	Remarks
Play a 14:9 image in a 16:9 screen expanded vertically and squeezed horizontally.	C14 : 9L	(14:9 signal)		This mode is provided for the broadcasting program with WSS code-C14:9L.
Play a 14:9 image expanded vertically on the 16:9 screen.	14 : 9Zoom	(14:9 signal)		This mode is provided for the broadcasting program with WSS code-14:9 Zoom.

Vertical picture position can be adjusted for [Panoramic], [Zoom], [C14:9L] and [14:9Zoom] mode as follows.

1. Press ZOOM button and ▲▼ SELECT buttons during picture size display.
2. Position display will appear.
3. Adjustment range of each picture size are as shown below.
   [Panoramic] - 12 to + 12
   [Zoom] - 31 to + 31
   [C14:9L] and [14:9Zoom] - 16 to + 16
4. When 1080i/60 component signal is received, vertical position can be adjusted only one step up. (The range: 0 to +1)



Press ▲

Press ▼

ATTENTION

Using a wide-screen monitor

- This monitor has a screen mode selection feature. If an incompatible screen mode is selected to play certain software, such as a TV program, the image would appear different from the original. Take this into consideration when making screen mode choices.
- Use of this monitor in its enlarged display mode with the wide feature enabled in coffee shops, hotels and other establishments for commercial or public viewing purposes could infringe on the copyright holder's right protected by Copyright Law.
- When a normal 4:3 image is displayed over the entire screen in the Panoramic mode, parts of the periphery of the image may disappear and/or appear distorted in some cases. Use the 4:3 mode to view images, which were created in 4:3 mode.
- This mode allows 4:3 content to be viewed without picture distortion.

- **During RGB Input (RGB1 (set to [DVI-PC]) and RGB2 (set to [RGB]))**

Normal → Full → Zoom1 → Real* ← Zoom3 ← Zoom2 ←

* Real mode gives the image of the same shape as it is displayed on a computer monitor.
This mode is only available for VGA (640 X 480), WVGA (864 X 480),SVGA (800 X 600),XGA (1024 X768) and WXGA (1280 X768).

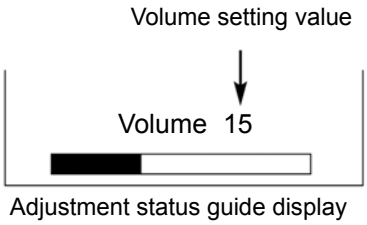
Display area selection diagram (RGB input)

Resolution	Full display	Circular display				
Display	Full	Normal	Real	Zoom1	Zoom2	Zoom3
640 X 480 (VGA)						
800 X 600 (SVGA)						
1024 X 768 (XGA)						
1280 X 1024 (SXGA)						
1600 X 1200 (UXGA)						
1366 X768 (WXGA)	Selected character WXGA Type 32	can't select				

Processes such as compression (thinning) and expansion are performed for the above signal display. Because of this, there is a possibility that flicker may become noticeable on Zoom (1 ~ 3) depending on the display contents. If this occurs, turning the Vertical Filter on 33 can reduce the flicker.

Volume Adjustment

The volume can be adjusted by pressing the + and − buttons of the remote control (or the + and − volume buttons of the monitor unit).

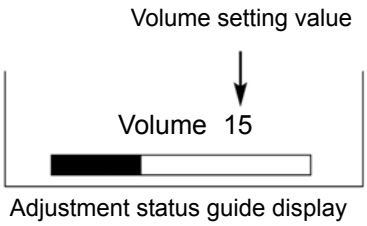


Adjustment status guide display

- **When a button is pressed, the volume adjustment status guide will be displayed.**
  - The volume will increase when the + button is pressed whilst the guide is being displayed.
  - The volume will decrease when the − button is pressed whilst the guide is being displayed

Audio Mute

The audio volume can be temporarily muted by pressing the MUTE button of the remote control.



Adjustment status guide display
(The display colour will change to magenta : volume→Mute)

- **When a button is pressed, the volume adjustment status guide (magenta) will be displayed.**
  - The volume setting can be lowered by pressing the − button whilst the audio is mute.
  - The muting can be cancelled by pressing the + button or MUTE button whilst the audio is mute.
  - The audio from the headphone terminal is not mute.
  - The audio from the speaker is automatically mute whilst connecting the headphone to the headphone terminal of the side input (AV5).

When the MUTE button of the remote control is pressed again, the audio will be restored and the volume display (green) will appear.

OPERATING INSTRUCTIONS (continued)

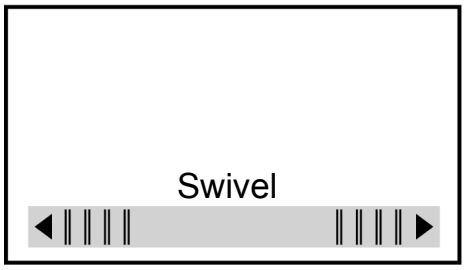
Power Swivel

- This feature controls the motorised stand. It allows turning the LCD monitor left or right using the remote control.

⚠ WARNING

Make sure that the main power switch of the monitor is turned off when removing or connecting the power cord, the connector cables, and the speaker cables.

1. **Press Swivel button.**
   The controlling icon appears on the screen.
   - If the connecting cable is not connected, the indication "Not Available" appears.
   - The swivel display disappears in about 6 seconds without any operation.



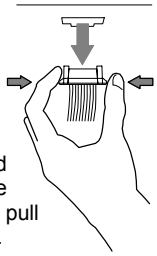
2. **Adjust for preferred angle.**
   Opposite directions are displayed on the screen whilst the monitor is swiveled.
   Adjust by using key whilst the swivel display is on the screen.
   Swiveling angle of the monitor is available within ±30 degrees from the front face.

ATTENTION

- Do not push the panel manually whilst using the swivel function. It could cause damage to the stand or the panel.
- Do not get on and hang from the monitor. Do not swing the monitor back and forth and around either. It could cause a failure of the stand.
- Do not put hands or faces close to the monitor whilst operating the swivel function. It could cause a physical injury. Use special caution in households where children are present.
- Do not put any object, like a vase, near the monitor in swiveling area. It would cause a breakage of the object and /or a failure of the stand.
- Place the monitor on the stable location, or the swivel function would not operate correctly. It would cause a malfunction.
- In the case of using the monitor wall mounted, be sure to detach the connecting cable between the monitor and the stand.

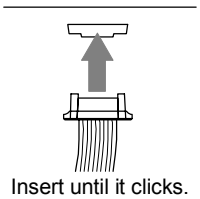
Caution when connecting the monitor with the stand

- When detaching the stand from the monitor, make sure to detach the connector cable from the stand connection terminal on the rear of the monitor.



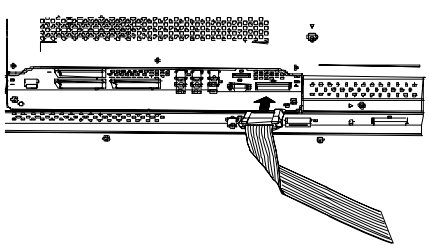
Pinch right and left locks of the connector and pull out downward.

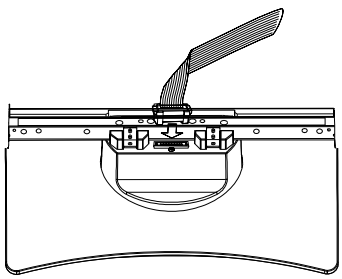
- When attaching the stand to the monitor once again, insert the connector cable into the stand connection terminal on the rear of the monitor.



Insert until it clicks.

- Make sure that the direction of the connector for stand connecting cable is correct.

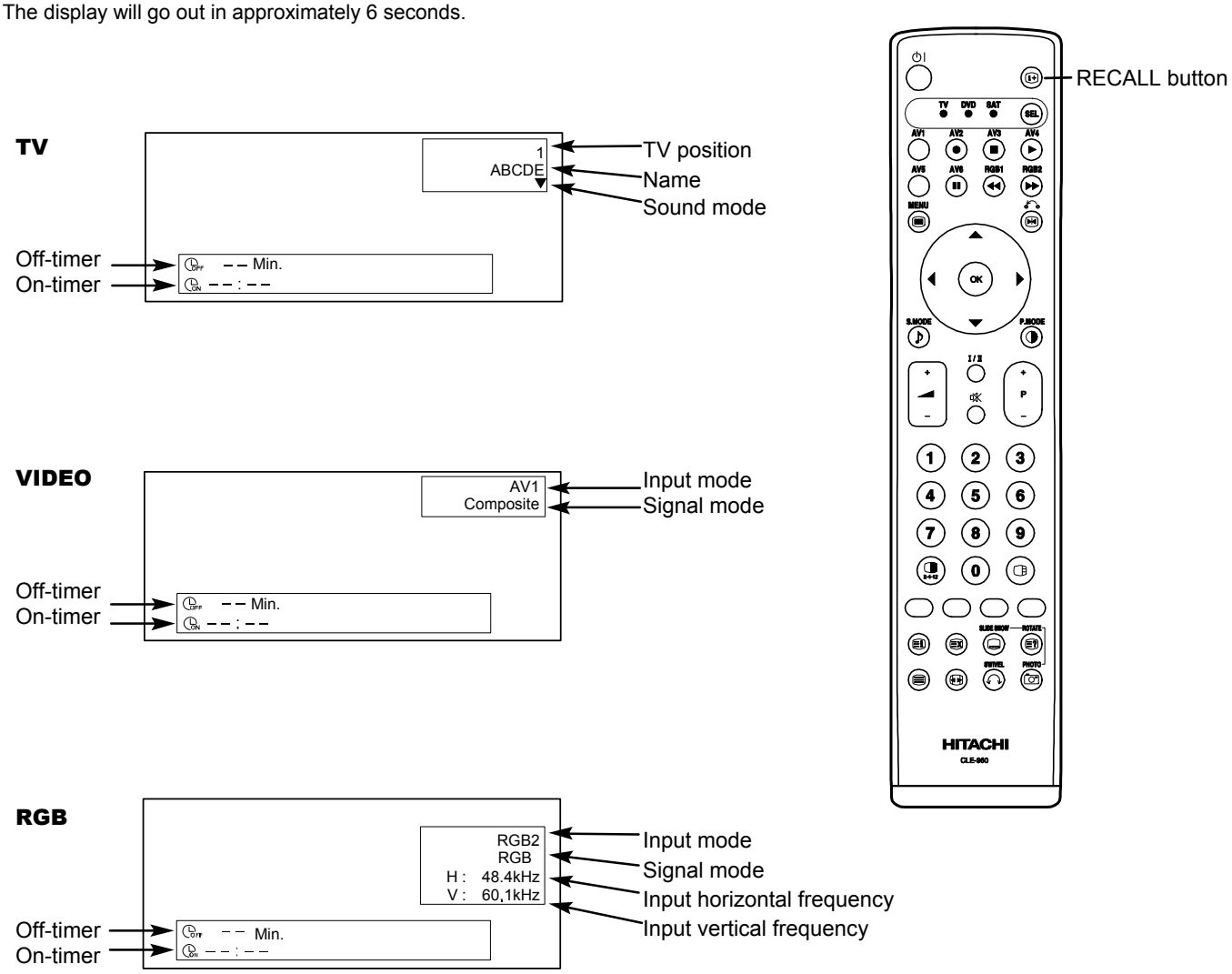




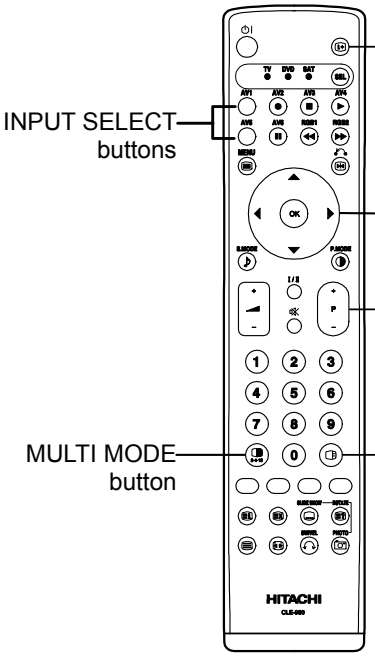
Input Signal Screen Display

The input signal status can be displayed on the screen by pressing the RECALL button of the remote control.

- The display will go out in approximately 6 seconds.



OPERATING INSTRUCTIONS (continued)



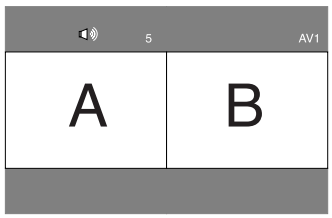
Displaying MULTI PICTURE

When the MULTI PICTURE button on the remote control is pressed, the screen will display the multi pictures. And then three types of the screen can be selected by pressing the MULTI MODE button on the remote control.
The multi-picture mode will change in the following sequence each time the MULTI MODE button is pressed.

2 pictures (Split) → 4 pictures → 12 pictures

Activating the Split mode from the TV screen

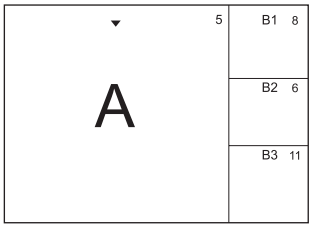
Pressing the MULTI PICTURE button one time will display 2 pictures.



- The speaker icon can be shifted left and right by pressing the ◀ and ▶SELECT buttons; the audio will be output from the side on which the speaker icon is located.
- The same signal input cannot be selected for both screens at the same time.
- The TV channel can be changed by pressing the CHANNEL UP/DOWN button on the remote control.
- The signal input mode of picture-A or picture-B (the one that the speaker icon is located on) can be selected by pressing INPUT SELECT buttons on the remote control.
- Pressing the MULTI PICTURE button once again will cancel the multi-picture mode.
- Refer to the table for 2 pictures (Split) mode. 26

Activating the 4 pictures mode from the TV screen

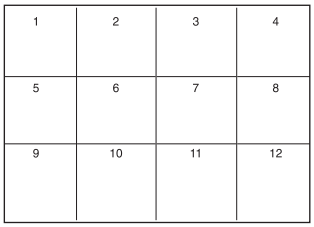
Pressing the MULTI MODE button one time at the 2 pictures mode will display 4 pictures.



- Press ◀ and ▶SELECT buttons to select picture A or picture B indicated by a red triangle. For pictures on right, press ▲ and ▼ SELECT buttons to select picture. The selected input display number would change green.
- The TV channel can be changed by pressing the CHANNEL UP/DOWN button on the remote control.
- The audio can only be output from picture A in 4 pictures mode.
- The component signal input mode cannot be selected in pictures B. Refer to the table for 4 pictures mode. 26
- Pressing the MULTI PICTURE button at the 4 pictures mode will cancel the multi-picture mode. And then, pressing the MULTI PICTURE button again will display the 4 pictures.

Activating the 12 pictures mode from the TV screen

Pressing the MULTI MODE button one time at the 4 pictures mode will display 12 pictures.

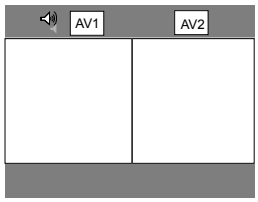


- Starting from channel 1, preset channels will automatically display in sequence on the 12 windows.
- This function activates only in TV mode.
- After several seconds, it refreshes the picture one by one.
- Pressing the MULTI PICTURE button at the 12 pictures mode will cancel the multi-picture mode. And then, pressing the MULTI PICTURE button again will display the 12 pictures again.
- Pressing the MULTI MODE button at the 12 pictures mode will display the 2 pictures (Split) mode.

OPERATING INSTRUCTIONS (continued)

Displaying MULTI PICTURE (continued)

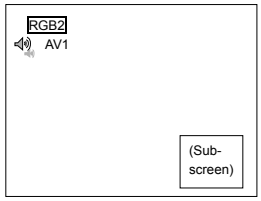
Activating the Split mode from the video input screen



Pressing the MULTI PICTURE button one time will display 2 pictures.

- The speaker icon can be shifted left and right by pressing the ◀ and ▶ SELECT buttons. The audio of the video will be output from the side on which the speaker icon is located.
- The same video input mode cannot be selected for both screens at the same time.
- Pressing the MULTI PICTURE button again will cancel the 2 pictures display.
- Refer to the table for 2 pictures (Split) mode.

Activating the MULTI PICTURE mode from the RGB input screen



Pressing the MULTI PICTURE button one time will display 2 pictures.

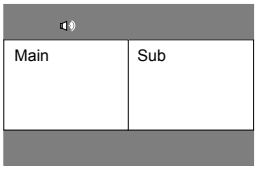
- This mode can be available from RGB1 (DVI-PC) and RGB2 (RGB) input.
- The speaker icon can be shifted up and down by pressing the ◀ and ▶ SELECT buttons. The audio will be output from the side on which the speaker icon is located.
- The sub-screen position can be selected up and down by pressing ▲ and ▼ SELECT buttons.
- The sub-screen can be selected with the AV1~AV6, TV channel buttons from the status that the speaker icon appears on the left side of AV* etc. as shown in the diagram to the right.
- Pressing the MULTI PICTURE button again will cancel the 2 pictures display.

AV1: Displays the VIDEO input signal of the sub-screen.

NOTE

- Even if the input of the horizontal / vertical synchronizing signal (or video signal) stops in the multi picture display, the mode will not change to power save mode.

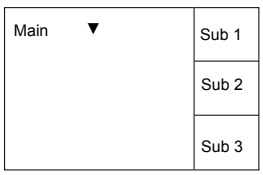
2 Pictures (Split)〔TV / Video Input〕



Input terminal			AV1 ~ AV5		AV2,AV3	AV4, AV6						RGB1	RGB2	TELE TEXT
	Sub / Main	TV	PAL SECAM	NTSC3.58 NTSC4.43	RGB	576i 576p	480i 480p	1080i/ 50	1080i/ 60	720p/ 50	720p/ 60	STB	Component	
	TV		○	○	○	○	○	○	○		○			○
AV1 ~ AV5	PAL, SECAM	○	○	○	○	○	○	○	○		○			
	NTSC3.58/4.43	○	○	○	○	○	○	○	○		○			
AV2 AV3	RGB	○	○	○	○	○	○	○	○		○			
AV4 AV6	576i, 576p	○	○	○	○	○	○	○	○		○			
	480i, 480p	○	○	○	○	○	○	○	○		○			
	1080i/50	○	○	○	○	○	○	○	○		○			
	1080i/60	○	○	○	○	○	○	○	○		○			
	720p/50													
	720p/60	○	○	○	○	○	○	○	○		○			
RGB1	STB													
RGB2	Component	○	○	○	○	○	○	○	○		○			

(○ : Available)
Teletext is available only for TV

4 Pictures〔TV / Video Input〕



Input terminal			AV1 ~ AV5		AV2,AV3	AV4, AV6						RGB1	RGB2	TELE TEXT
	Sub / Main	TV	PAL SECAM	NTSC3.58 NTSC4.43	RGB	576i 576p	480i 480p	1080i/ 50	1080i/ 60	720p/ 50	720p/ 60	STB	Component	
	TV		○	○	○									
AV1 ~ AV5	PAL, SECAM	○	○	○	○									
	NTSC3.58/4.43	○	○	○	○									
AV2 AV3	RGB	○	○	○	○									
AV4 AV6	576i, 576p	○	○	○	○									
	480i, 480p	○	○	○	○									
	1080i/50	○	○	○	○									
	1080i/60	○	○	○	○									
	720p/50													
	720p/60	○	○	○	○									
RGB1	STB													
RGB2	Component	○	○	○	○									

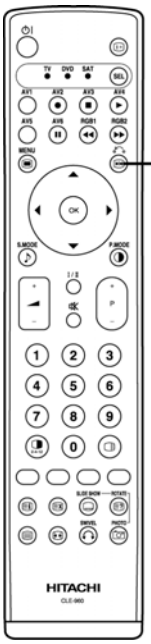
(○ : Available)

NOTE

About 720p/50 Hz

- 720p/50Hz can support for AV4, AV6 and RGB1 (DVI-STB) only during the single picture mode.
- RGB2 (composite) is not available for 720p/50 Hz.

OPERATING INSTRUCTIONS (continued)



Picture Freezing

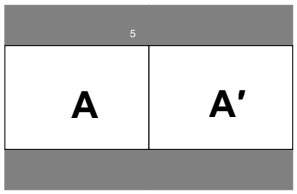
When the FREEZE button on the remote control is pressed, the screen transfers into the freeze mode.

- There are two types of freezing screen mode, Split and Strobe. These are possible to select at the "Freeze Mode" setting of the Function Menu.
- The Split mode will display 2 pictures from the same source on the screen with one active picture and the other still.
- The Strobe mode will display 12 pictures with the last picture active, whilst other 11 windows are still.
- Pressing the FREEZE button again changes the screen back to the normal picture.
- This function is also available from video input mode besides TV mode. Refer to the table for Freeze function as below:

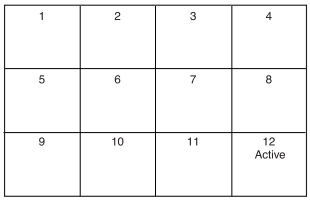
	Split	Strobe
TV	O	O
PAL, SECAM	O	O
NTSC3.58/4.43	O	O
SCART(RGB)	O	O
576i	O	O
480i	O	O
576p	O	
480p	O	
1080i/50	O	
1080i/60	O	
720p/50		
720p/60	O	
RGB. DVI-PC/STB		

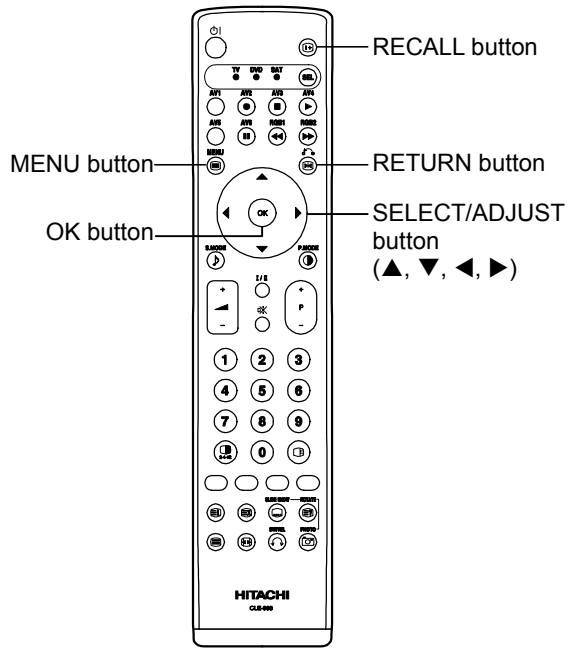
(O : Available)

[Split]



[Strobe]





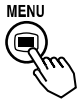
Using the Menu Screen (On-screen display system)

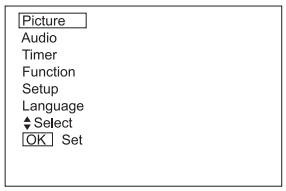
When the MENU button of the remote control or the control panel is pressed, the adjustment menu screen will be displayed; from there, several adjustments and settings are possible by using the SELECT button, ADJUST button and OK button.

- Refer to 29 - 41 concerning the adjustment items and the settings

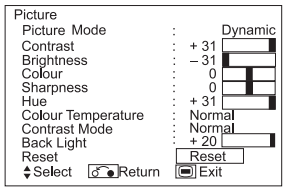
Example: Selecting the Picture screen from TV/Video mode

1. Press the MENU button to display the Main Menu screen.

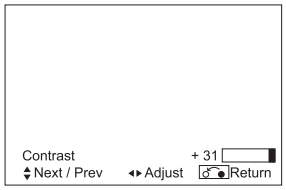




2. Press the OK button to display the Picture Menu screen. (Use the ▲ and ▼ SELECT buttons to select other items.)



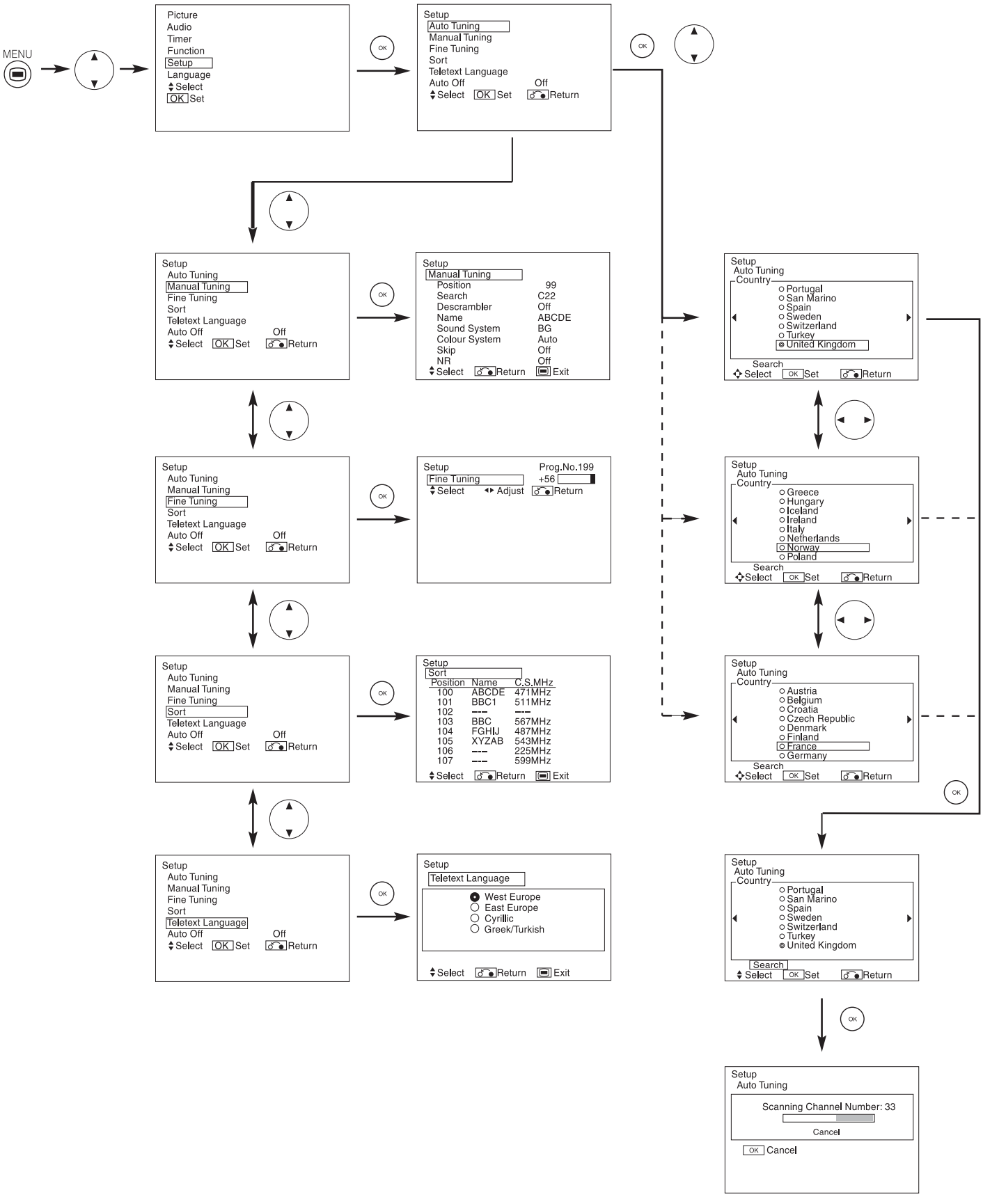
3. Use the ▲ and ▼ SELECT buttons to select the item to be adjusted and then use the ◀ and ▶ ADJUST buttons to adjust (example: Contrast).



- Press the RETURN button to return to the previous screen.
- If there is no operation for a period of one minute, the Adjustment Menu screen will be closed automatically.

OPERATING INSTRUCTIONS (continued)

SETUP MENU (TV mode)

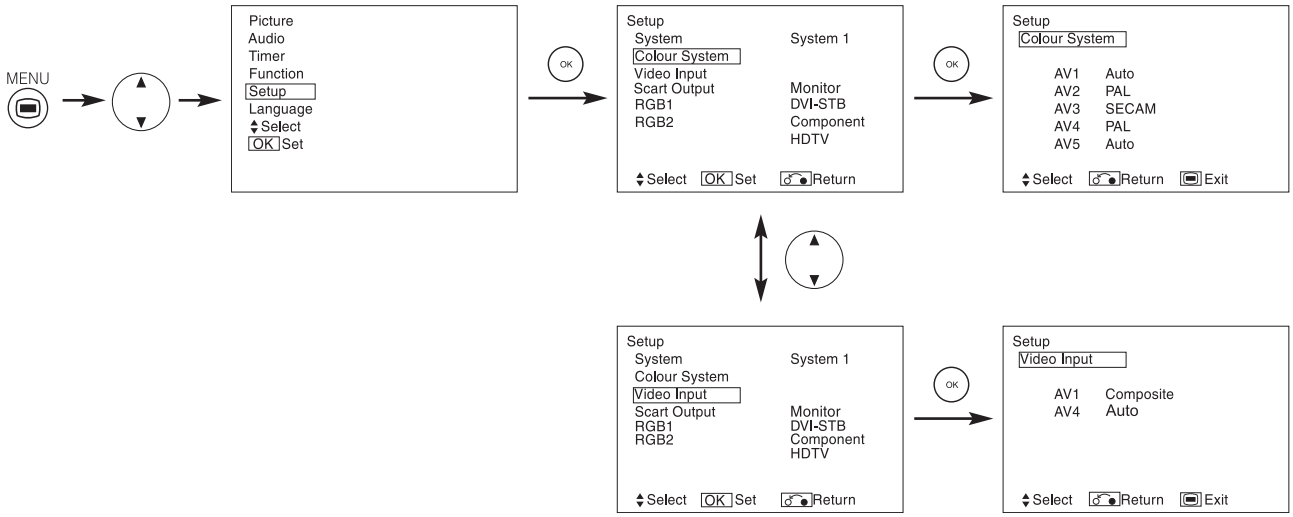


SETUP MENU (TV mode) (continued)

Selected characters	◀	▶	Setup hint
Auto Tuning			
Country	(Page1) ⟷ (Page2) ⟷ (Page3)		Select the country name by ▼ and ▲ SELECT buttons and press OK button. • If some required stations could not be preset in this auto tuning function, select and preset the required station in the required position by the manual tuning operation.
Search	–	–	Press the OK button and it starts the auto tuning.
Manual Tuning			
Position	1 ⟷ 2 ⟷ 3 ····· 199 ⟷ AV00		Set the position number (1~199 and AV00) or channel number by (+) (-) CHANNEL UP/DOWN button.
Search	–	–	At first, select the channel entry method, entering a two digit channel number(CH), entering a two digit S-band number or entering a three digit frequency(MHz), by pressing the OK button.
(C--)	–	–	Enter two digit number by pressing 0~9 NUMBER buttons. If the number is normal, then it starts the channel search.
(S--)	–	–	Enter two digit number by pressing 0~9 NUMBER buttons. If the number is normal, then it starts the channel search.
(--MHz)	–	–	Enter three digit number by pressing 0~9 NUMBER buttons. If the number is normal, then it starts the channel search.
Descrambler	Off ⟷ On		Set this to Off normally. If it is set to On, AV1 (Scart) terminal operates as TV signal output, and the screen changes to display AV1 (Scart) input signal automatically.
Name	□ ⟷ □ ⟷ □ ⟷ □ ⟷ □ (□:a letter)		This is used to input the name of the TV station within 5 letters. After fixing the cursor on the first digit, select a letter by ▲ and ▼ SELECT buttons and move to next digit by ▶ ADJUST button. Press the OK button again after finished. • Selectable letters are "0"~"9", "A"~"Z", "+", "-", " "(Blank),"," (comma) and "."(Period).
Sound System	L ⟷ L' ⟷ BG DK ⟷ I		Select the sound system through the 5 different settings.
Colour System	Auto ⟷ PAL ⟷ SECAM NTSC3.58 ⟷ NTSC4.43		Select the colour system through the 5 different settings.
Skip	Off ⟷ On		If this is set to On, that position will be skipped whilst selecting positions by CHANNEL UP/DOWN button. This is automatically set to On for those non-broadcasting channels.
NR	Off ⟷ On		If this is set to On, it helps to reduce the noise interference visible on the screen, especially in the weaker signal reception areas.
Fine Tuning	Decreasing the frequency data for the main tuner	Increasing the frequency data for the main tuner.	After completing the fine-tuning, press the RETURN button to exit this mode. • The variable range is -56 ~ +56.
Sort			
(A Line of position List)	–	–	Press OK button at a line that is required to change order, then the characters will change to green. And move it up or down in the list by pressing ▲ and ▼ SELECT buttons. And press OK button to complete it. Press the RETURN button to exit.
Teletext Language	–	–	Select the Teletext Language, depending on the area utilized through the 4 settings: West Europe, East Europe, Cyrillic and Greek/Turkish.
Auto Off	Off ⟷ On		If this is set to On, the power will be turned off when there is no transmission signal and no operation for about 10 minutes in the TV mode.

OPERATING INSTRUCTIONS (continued)

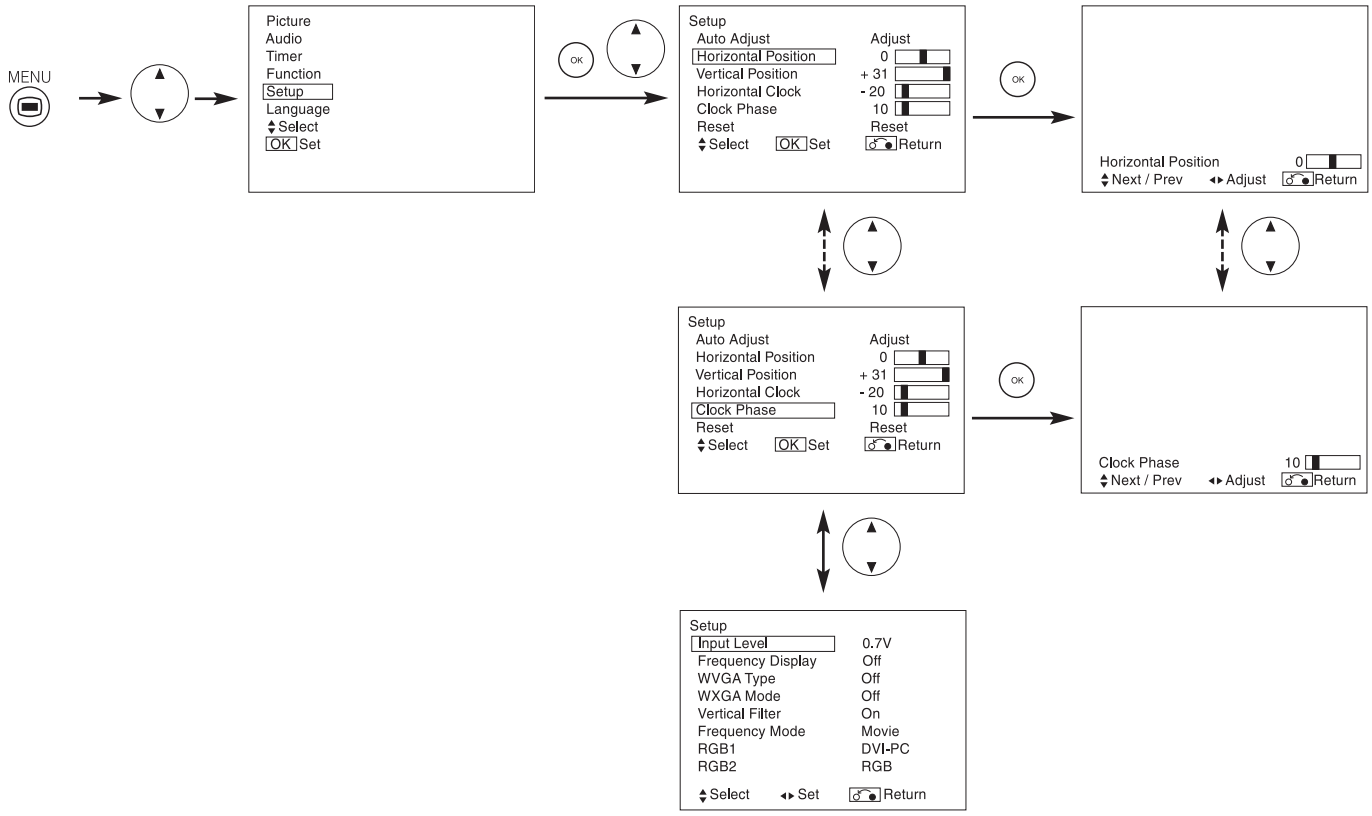
SETUP MENU (Video mode)



Selected characters	◀ ▶	Setup hint
System	System1 ⟷ System2	Do not change the original setting. (System1: Europe/Asia, System2: North America)
Colour System		
AV1~AV5	System1 Auto ⟷ PAL ⟷ SECAM NTSC3.58 ⟷ NTSC4.43 System2 Auto ⟷ NTSC-M PAL-N ⟷ PAL-M	This should correspond to the colour system of the signal from the equipment that is connected to AV1~AV5 video input terminal. • Normally, set this to Auto. The system of the input signal will be automatically recognised. • If the input signal contains much noise or has a low level at Auto and the operation is found erratic, set this to match the input signal. • When the component signal is received, this would be not available (greyed out).
Video Input		
AV1	S. Video ⟷ Composite	This should correspond to the signal mode of the signal from the equipment that is connected to AV1 Scart input.
AV4	Auto ⟷ HDTV ⟷ SDTV/DVD	This should correspond to the signal mode of the signal from the equipment that is connected to AV4 video input terminal. • Normally, set this to Auto. The signal mode of the input signal will be automatically recognised. • If the input signal contains much noise or has a low level at Auto and the operation is found erratic, set this to match the input signal.
Scart Output	TV ⟷ Monitor	TV : AV1 (Scart) output will be fixed as TV signal output. Monitor : AV1 (Scart) output can view the image as on the main unit. But it is possible to monitor only the composite video signal from AV2, AV3, AV4 or AV5 input that is displayed on the screen at the time. • If Descrambler is set to On, it will be fixed as TV automatically.
RGB1	DVI-PC ⟷ DVI-STB	This should correspond to the signal mode of the signal from the equipment that is connected to RGB1 DVI terminal.
RGB2 (1st step)	RGB ⟷ Component	This should correspond to the signal mode of the signal from the equipment that is connected to RGB2 D-sub terminal.
RGB2 (2nd step)	Auto ⟷ HDTV ⟷ SDTV/DVD	This step should be set only when [Component] is selected on the 1st step. This should correspond to the signal mode of the signal from the equipment that is connected to RGB2 D-sub terminal. • Normally, set this to Auto. The signal mode of the input signal will be automatically recognised. • If the input signal contains much noise or has a low level at Auto and the operation is found erratic, set this to match the input signal.

OPERATING INSTRUCTIONS (continued)

SETUP MENU (RGB mode: RGB1 (DVI-PC), RGB2 (RGB))



Selected characters	◀	▶	Setup hint
Auto Adjust*	–	Adjust Pressing the OK button here, Automatic regulation is started.	Horizontal Position, Vertical Position, Horizontal Clock and Clock Phase are adjusted automatically.
Horizontal Position	Moves the horizontal position to left.	Moves the horizontal position to right.	Adjust the left-side display position. Screen display changes to Magenta colour if beyond the available range. (This function is only for RGB2. It's not available (greyed out) for RGB1 (DVI-PC).)
Vertical Position	Moves down the vertical position	Moves up the vertical position.	Adjust the vertical display position. Screen display changes to Magenta colour if beyond the available range. (This function is only for RGB2. It's not available (greyed out) for RGB1 (DVI-PC).)
Horizontal Clock	Reduces the dot clock frequency (shrinks the right side).	Increases the dot clock frequency (expands the right side).	Adjust for maximum character clarity. (This function is only for RGB2. It's not available (greyed out) for RGB1 (DVI-PC).)
Clock Phase	Slows the dot clock phase (shifts slightly to left).	Advances the dot clock phase (shifts slightly to right).	Adjust for clear character visibility. (This function is only for RGB2. It's not available (greyed out) for RGB1 (DVI-PC).)
Reset	(off the function)	(waiting to reset)	The original factory settings for the items of this Menu page can be restored by pressing the OK button.
Input Level	0.7V ◀▶ 1.0V		Normally set to 0.7 V. If white is found to spread across the screen, set to 1.0 V. (This is effective only for RGB2.)
Frequency Display	Off ◀▶ On		Set this to Off if the frequency information of the Input Signal Screen Display is not required.
WVGA Type	Off ◀▶ On		This is only available for W-VGA signal. When it is set to On, the display area mode can be selected Full or Real. (With RGB1 INPUT, the screen remains the same. RGB2 (ANALOGUE) INPUT only)
WXGA Mode	Off ◀▶ 1280X768 ◀▶ 1366X768		This is only available for W-XGA signal. (RGB2 (ANALOGUE) INPUT only)

OPERATING INSTRUCTIONS (continued)

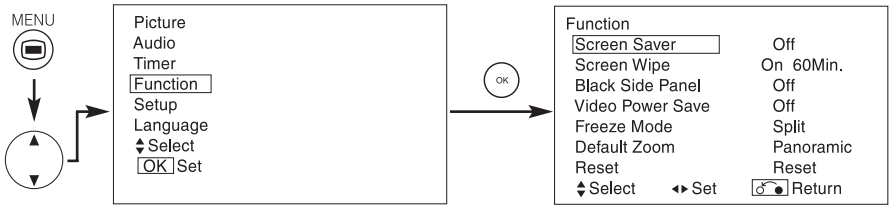
SETUP MENU (RGB mode: RGB1 (DVI-PC), RGB2 (RGB)) (continued)

Selected characters	◀ / ▶	Setup hint
Vertical Filter	Off ⟷ On	Turn On when concerned about screen flicker.
Frequency Mode	Greyed out	This function is not available.
RGB1	DVI-PC ⟷ DVI-STB	This should correspond to the signal mode of the signal from the equipment that is connected to RGB1 DVI terminal.
RGB2 (1st step)	RGB ⟷ Component	This should correspond to the signal mode of the signal from the equipment that is connected to RGB2 D-sub terminal.
RGB2 (2nd step)	Auto ⟷ HDTV ⟷ SDTV/DVD	This step should be set only when [Component] is selected on the 1st step. This should correspond to the signal mode of the signal from the equipment that is connected to RGB2 D-sub terminal. • Normally, set this to Auto. The signal mode of the input signal will be automatically recognised. • If the input signal contains much noise or has a low level at Auto and the operation is found erratic, set this to match the input signal.

* Depending on the type of signal displayed, displays may not be optimized through automatic adjustment. Adjust manually to optimize them.

OPERATING INSTRUCTIONS (continued)

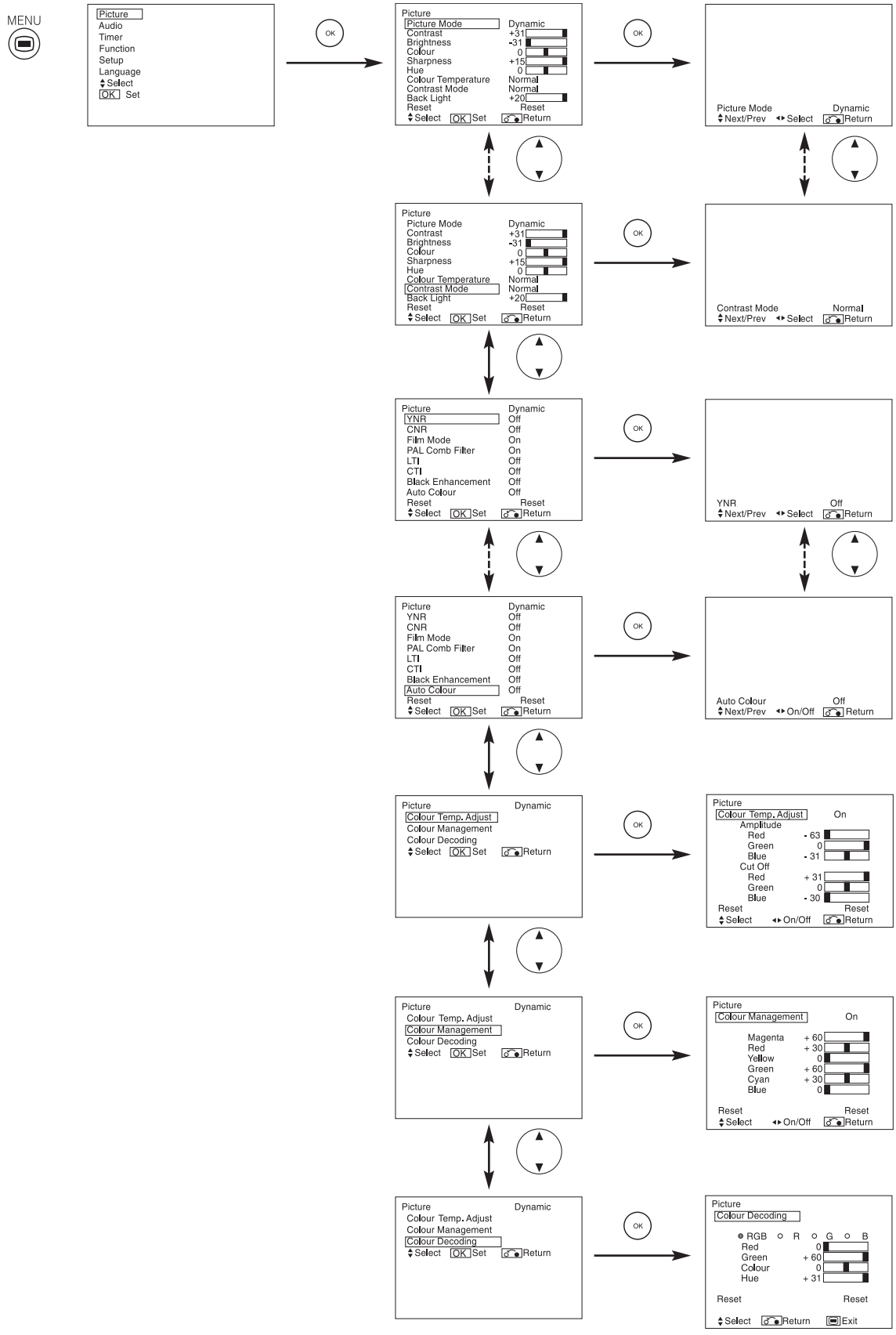
FUNCTION MENU



Selected characters	◀	▶	Setup hint
Screen Saver	Off ⟷ 5Min. ⟷ 10Min. ⟷ 20Min. ⟷ 40Min. ⟷ 60Min.		This moves the picture around the screen in small amounts, at set intervals, to reduce the residual image. This is where stationary objects, such as screen logos, leave a slight image visible after they should have disappeared.
Screen Wipe	On	60Min.	This is used to reduce the residual image that can occur with stationary pictures by the white field signal. Select On (continuous operation) or 60 Min. (time limit operation) and press the OK button. Press the MENU or RETURN button on the remote control to return to normal viewing.
Black Side Panel	Off ⟷ On		This turns the grey sidebars to the black sidebars when watching normal mode screen size area. It is always set to Off when the monitor powered On. It is recommended to set to Off to reduce the residual image.
Video Power Save	Off ⟷ On		This is used to reduce power consumption for video input when there is no video signal. Setting it On will lead the monitor to the standby mode when the AV input with no signal is selected.
Freeze Mode	Split ⟷ Strobe		This selects the display condition of the FREEZE mode between Split (2 pictures) and Strobe (12 pictures).
Default Zoom	Panoramic ⟷ 4:3 ⟷ 14:9Zoom		This selects the screen display size of TV input that appears first when the main power turned on.
Reset	(off the function)	(waiting to reset)	This original factory settings for the items of this Menu page can be restored by pressing the OK button.

OPERATING INSTRUCTIONS (continued)

PICTURE MENU (TV/Video mode)



OPERATING INSTRUCTIONS (continued)

PICTURE MENU (TV/Video mode) (continued)

Selected characters		◀	▶	Setup hint
Picture Mode		Dynamic ⟷ Natural ⟷ Cinema		Dynamic: This setting is best for very bright ambient lighting. Natural: This setting is for normal lighting conditions. Cinema: This setting is best for watching movie.
Contrast		Narrows the gap between brightness and darkness.	Broadens the gap between brightness and darkness.	Adjust for maximum visibility to suit the ambient brightness. This can adjust further till [+40] by pressing and holding ▶ SELECT button at [+31]. The colour for [+32] to [+40] numbers will change from green to magenta. This special mode is better for dark scenes. For normal viewing we recommend that the Contrast is set to [+31].
Brightness		Black is subdued for increased overall darkness.	Black is set off for increased overall brightness.	Adjust to preference.
Colour		Decrease colour intensity.	Increase colour intensity.	Adjust to preference.
Sharpness		Soft	Sharp	Shift to the minus (-) side for a softer effect and plus (+) for sharper picture.
Hue		Enhances red and weakens green.	Enhances green and weakens red.	This is not available to adjust when receiving PAL/SECAM signal. Then the character will be greyed out. Adjust for the most realistic skin colour.
Colour Temperature		Cool ⟷ Normal ⟷ Warm ⟷ Black/White		Normally set to Cool.
Contrast Mode		Normal ⟷ Auto ⟷ Dynamic		Dynamic: Emphasizes the differences between video shadings to improve the feeling of contrast. Normal: The gradation of an image is reproduced as faithfully as possible. Auto: Detects image brightness and automatically adjusts for natural brightness.
Back Light		Darkens the screen.	Brightens the screen.	Adjust to preference (for the maximum visibility).
Reset		(off the function)	(waiting to reset)	The original factory settings for the items of this Menu page can be restored by pressing the OK button.
YNR		Off ⟷ Low ⟷ High		Performs picture signal noise reduction. Turn up to reduce noise.
CNR				Performs colour signal noise reduction. Turn up to reduce noise. And it will be fixed as Off only when selecting DVI-STB mode.
Film Mode		Off ⟷ On		On: Automatically detects the movie film material and faithfully reproduces the original film image. Off: Set to OFF when switching between images does not appear natural.
PAL Comb Filter		Off ⟷ On		This is available only when receiving a PAL composite signal. Turn On to reduce the discolorations in fine picture detail and provides purer colour.
LTI		Off ⟷ Low ⟷ Middle ⟷ High		Adjusts the sharpness of the picture signal.
CTI				Adjusts the sharpness of the colour signal.
Black Enhancement				Adjusts the black level compensation.
Auto Colour		Off ⟷ On		This is available only when receiving an NTSC composite/S.Video signal. This monitors and adjusts the colour to maintain constant colour levels. It also maintains natural flesh tones whilst preserving fidelity of background colours.
Colour Temp. Adjustment		Off ⟷ On		Turn On when you wish to change colour temperature depending on the user's preference.
Amplitude	Red	Brighter scene is decreased in reddish colour.	Brighter scene is increased in reddish colour.	Adjust colour temperature depending on the user's preference. These settings are independently stored in each of the 4 Colour Temperature modes.
	Green	Brighter scene is decreased in greenish colour.	Brighter scene is increased in greenish colour.	
	Blue	Brighter scene is decreased in bluish colour.	Brighter scene is increased in bluish colour.	
Cut Off	Red	Dark scene is decreased in reddish colour.	Dark scene is increased in reddish colour.	
	Green	Dark scene is decreased in greenish colour.	Dark scene is increased in greenish colour.	
	Blue	Dark scene is decreased in bluish colour.	Dark scene is increased in bluish colour.	

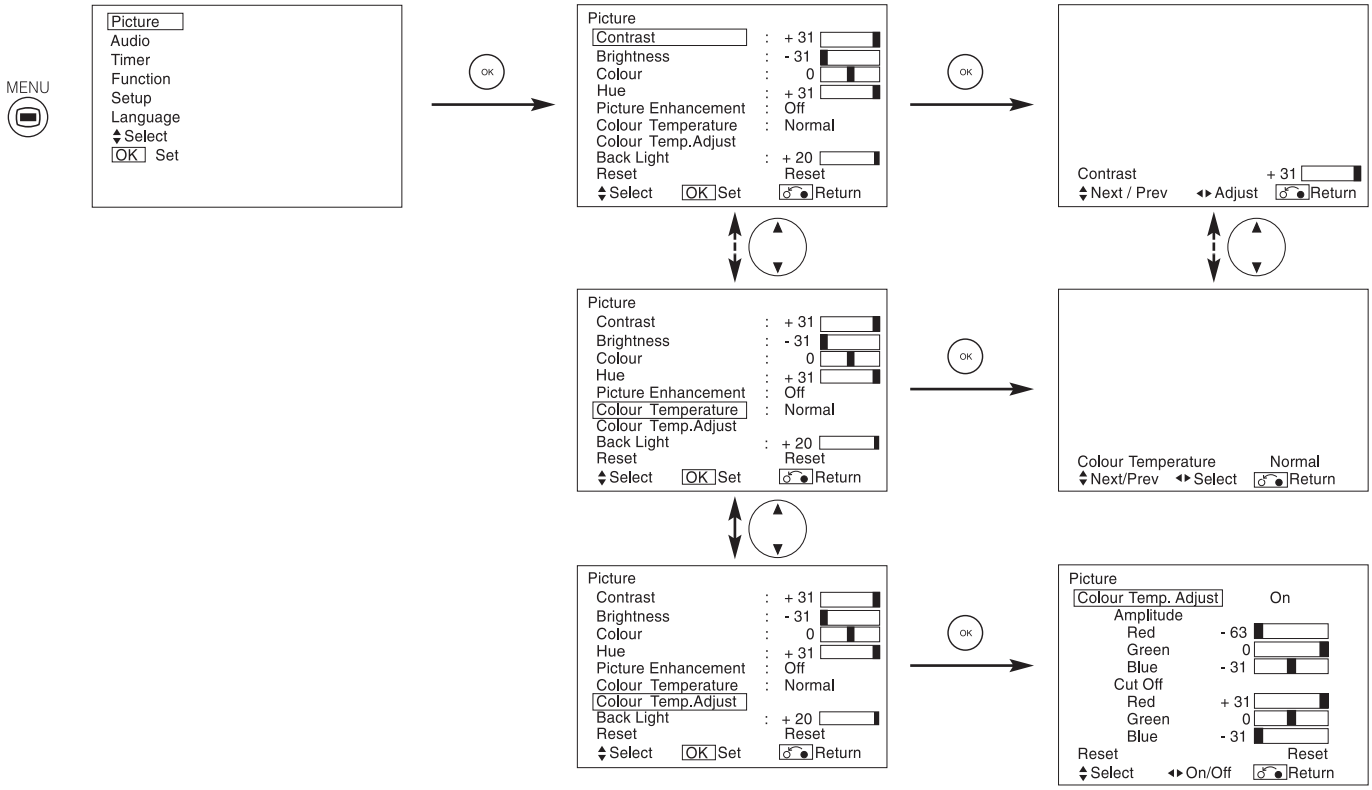
OPERATING INSTRUCTIONS (continued)

PICTURE MENU (TV/Video mode) (continued)

Selected characters		◀	▶	Setup hint
Colour Management		Off ⟷ On		Turn On when the original balance of each colour is required to adjust depending on the user's preference.
	Magenta	Magenta is weakened.	Magenta is strengthened.	This adjusts listed colours individually to make them either deeper or purer. These settings are independently stored in each of the 4 Colour Temperature modes.
	Red	Red is weakened.	Red is strengthened.	
	Yellow	Yellow is weakened.	Yellow is strengthened.	
	Green	Green is weakened.	Green is strengthened.	
	Cyan	Cyan is weakened.	Cyan is strengthened.	
	Blue	Blue is weakened.	Blue is strengthened.	
Colour Decoding		RGB ⟷ R ⟷ G ⟷ B		Select the single colour screen when that is required to adjust R/G/B level individually depending on the user's preference. And set it back to RGB mode that indicates all colour after adjusting. Press the OK button every time the setting is changed.
	Red	Darkens red only.	Lightens red only.	This adjusts R/G/B level or hue to make the colour appear natural for the user's preference. These settings are independently stored in each of the 4 Colour Temperature modes. When select "Hue", the display will be grey to indicate that it is not available when receiving PAL/SECAM signal.
	Green	Darkens green only.	Lightens green only.	
	Colour	Decreases colour intensity.	Increases colour intensity.	
	Hue	Enhances red and weakens green.	Enhances green and weakens red.	

OPERATING INSTRUCTIONS (continued)

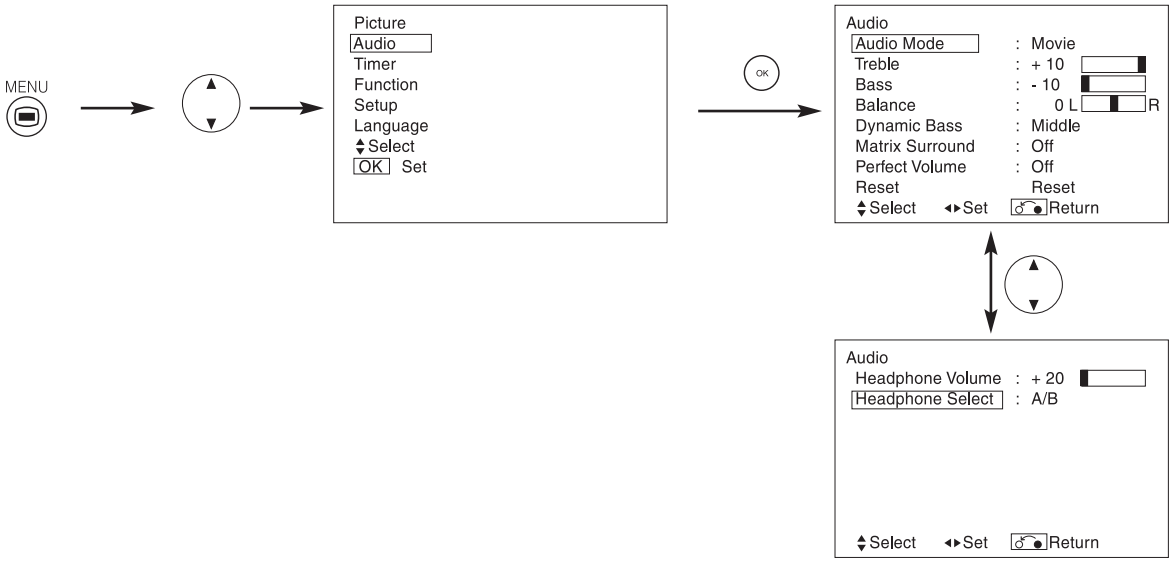
PICTURE MENU (RGB mode)



Selected characters		◀	▶	Setup hint
Contrast		Narrows the gap between brightness and darkness.	Broadens the gap between brightness and darkness.	Adjust for maximum visibility to suit the ambient brightness. This can adjust further till [+40] by pressing and holding ▶ SELECT button at [+31]. The colour for [+32] to [+40] numbers will change from green to magenta. This special mode is better for dark scenes. For brighter scene some parts of the picture might not be clear. We recommend to set at [+31].
Brightness		Black is subdued for increased overall darkness.	Black is set off for increased overall brightness.	Adjust to preference.
Colour		Decreases colour intensity.	Increase colour intensity.	Adjust to preference.
Hue		Enhances red and weakens green.	Enhances green and weakens red.	This is not available to adjust when receiving PAL/SECAM signal. In this case the character will be greyed out. Adjust for most realistic skin colour.
Picture Enhancement		Off ◀▶ Low ◀▶ Middle ◀▶ High		Sets the clarity of small details to the desired level.
Colour Temperature		Cool ◀▶ Normal ◀▶ Warm ◀▶ Black/White		Normally set to Normal.
Colour Temp. Adjust		Off ◀▶ On		Turn On when you wish to change colour temperature is required to adjust depending on the user's preference.
Amplitude	Red	Brighter scene is decreased in reddish colour.	Brighter scene is increased in reddish colour.	Adjust colour temperature depending on the user's preterence. These settings are independently stored in each of the 4 Colour Temperature modes.
	Green	Brighter scene is decreased in greenish colour.	Brighter scene is increased in greenish colour.	
	Blue	Brighter scene is decreased in bluish colour.	Brighter scene is increased in bluish colour.	
Cut Off	Red	Dark scene is decreased in reddish colour.	Dark scene is increased in reddish colour.	
	Green	Dark scene is decreased in greenish colour.	Dark scene is increased in greenish colour.	
	Blue	Dark scene is decreased in bluish colour.	Dark scene is increased in bluish colour.	
Back Light		Darkens the screen.	Brightens the screen.	Adjust to preference (for the maximum visibility).
Reset		(off the function)	(waiting to reset)	The original factory settings for the items of this Menu page can be restored by pressing the OK button.

OPERATING INSTRUCTIONS (continued)

AUDIO MENU



Selected characters	◀	▶	Setup hint
Audio Mode	Movie ◀▶ Music ◀▶ Speech ◀▶ Favourite		Movie: This selects the audio suitable for Movie. Music: This selects the audio suitable for Music. Speech: This selects the audio suitable for News, Talk show etc. Favourite: This mode should be adjusted depending on user's preference.
Treble	Suppresses treble.	Enhances treble.	Adjust to preference.
Bass	Suppresses bass.	Enhances bass.	Adjust to preference.
Balance	Suppresses right-side sound.	Suppresses left-side sound.	Adjust to preference.
Dynamic Bass	Off ◀▶ Low ◀▶ Middle ◀▶ High		Dynamic Bass takes advantage of the ability of the human ear to be able to distinguish between two different tones. By using this ability, Dynamic Bass gives enhanced bass sound that otherwise would not be heard. Adjust it depending on the user's preference.
Matrix Surround	Off ◀▶ On		This features the spacious sound effects of a stadium.
Perfect Volume	Off ◀▶ On		This will automatically adjust volume so each channel and input has the same average volume level.
Reset	(off the function)	(waiting to reset)	The original factory settings for the items of this Menu page can be restored by pressing the OK button.
Headphone Volume	Turns down the volume.	Turns up the volume.	This is to set the volume for headphone. The audio from the speaker is mute when connected to headphone terminal.
Headphone Select	A/B ◀▶ B		A/B: During the 2 pictures mode, the audio will be output from headphone on the screen which is selected between A (left picture) or B (right picture). The speaker icon is located on the selected picture. B: The audio of B (right picture) is output from headphone.

NOTE

About the Headphone

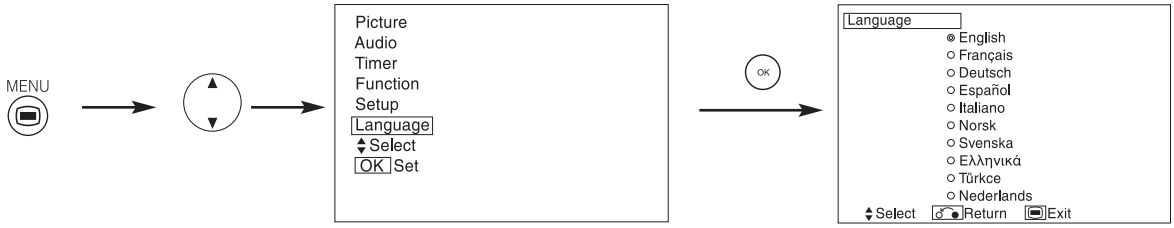
- During PC input (RGB1/RGB2), the audio is not output from the headphone.
- When the input on B (right picture) is AV6 during the 2 pictures mode, even though "B" is selected from "Headphone Select", the audio is not fixable at B (right picture) but output from the select picture (A / B).

OPERATING INSTRUCTIONS (continued)

TIMER MENU

Selected characters	◀	▶	Setup hint
Off Timer	--Min. ⟷ 30Min. ⟷ 60Min. ⟷ 90Min. ⟷ 120Min.		This function automatically sets the power to standby status when the indicated time period has elapsed.
On Timer	- - (: - -) hours	(- - :) - - minutes	This automatically sets the power from standby to ON when the indicated time period has elapsed. The settable time is 00:00 ~ 11:59. Input the required time by ▲ and ▼ SELECT buttons on the remote control.

LANGUAGE MENU



Select a language by ▲ and ▼ SELECT buttons and press the OK button.

OTHER FEATURES

Automatic Store

Approximately 1 sec. after adjustment is completed, the adjustments will be recorded as shown in the table below.

Menu	Display	Registration condition
Picture	Picture Mode	1 setting is registered.
	Contrast	For every input function and every Picture Mode, 1 setting is registered.
	Brightness	
	Colour	
	Sharpness	
	Hue	
	Colour temperature	
	Contrast Mode	
	Back Light	
	YNR	
	CNR	
	Film Mode	
	PAL Comb Filter	
	LTI	
	CTI	
	Black Enhancement	
	Auto Colour	
	Colour Temp. Adjust	For every Colour Temperature, 1 setting is registered.
	R Amplitude	1 setting is registered.
	G Amplitude	
	B Amplitude	
	R Cut Off	
	G Cut Off	
	B Cut Off	
	Colour Management	For every input function and every Picture Mode, 1 setting is registered.
	Megenta	1 setting is registered.
	Red	
	Yellow	
	Green	
	Cyan	
	Blue	
	Colour Decoding	–
	Red	For every Colour Temperature, 1 setting is registered.
	Green	
	Colour	For every input function and every Picture Mode, 1 setting is registered.
	Hue	
Audio	Audio Mode	1 setting is registered.
	Treble	For every Audio Mode, 1 setting is registered.
	Bass	
	Balance	1 setting is registered.
	Dynamic Bass	For every Audio Mode, 1 setting is registered.
	Matrix Surround	
	Perfect Volume	
	Headphone Volume	
	Headphone Select	

Menu	Display	Registration condition
Function	Screen Saver	1 setting is registered.
	Screen Wipe	(not registered)
	Black Side Panel	1 setting is registered.
	Video Power Save	
	Freeze Mode	
	Default Zoom	
Setup	System	1 setting is registered.
	Colour System	–
	AV1	For every input function, 1 setting is registered.
	AV2	
	AV3	
	AV4	
	AV5	
	Video Input	–
	AV1	1 setting is registered.
	AV4	
	Scart Output	1 setting is registered.
	RGB1	
	RGB2	
	Auto Adjust	(not registered)
	Horizontal Position	For every signal Mode, 1 setting is registered. (Only for RGB2)
	Vertical Position	
	Horizontal Clock	
	Clock Phase	
	Input Level	1 setting is registered.
	Frequency Display	
	WVGA Type	
	WXGA Mode	
	Vertical Filter	
	Frequency Mode	
Language		1 setting is registered.

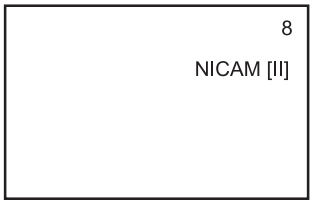
- When the new items are set up, the previously recorded items will be lost.
- The signal mode can be identified by the horizontal/vertical sync frequency and the sync signal polarity. Different signals with which all the elements are the same or similar will be handled as the same signal.

OTHER FEATURES (continued)

Audio Switching

A2 / NICAM / Sound Multiplex (TV mode)

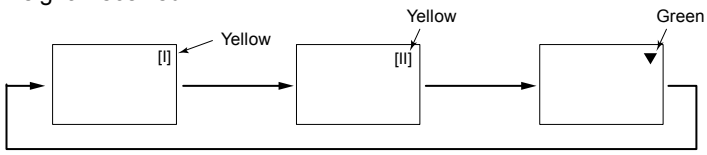
- The CH I / II button is only useful for NICAM and sound multiplex signals. Otherwise pressing this button will have no effect.



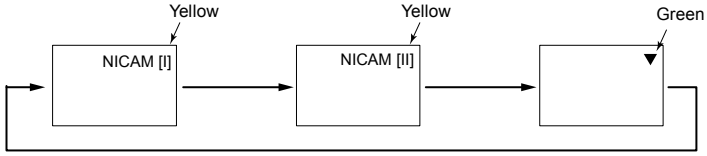
BILINGUAL / DUAL sound broadcast

When bilingual program is received, sound mode display appears in yellow as shown on right.
Press the CH I / II button to select the sound to be heard.
Each time the button is pressed, I, II or ▼ (force mono) appear cyclically on the screen.
When receiving NICAM signals, NICAM display will appear as below.

Sound multiplex signal received



NICAM signal received

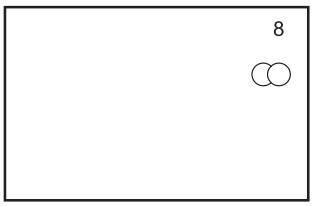


Select I, II or ▼ (force mono) to hear the CH I, CH II or MONO broadcast respectively.

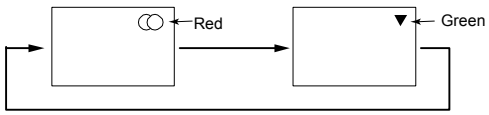
STEREO sound broadcast

When a stereo program is received, sound mode display will appear in red, and you can press the CH I / II button to select between stereo and mono sound.

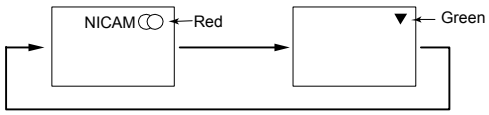
Each time the button is pressed, ◌◌ or ▼ (force mono) appear cyclically on the screen.
When receiving NICAM signals, NICAM display will appear as below.



Sound multiplex signal received



NICAM signal received



Select ◌◌ or ▼ (force mono) to hear the STEREO or MONO broadcast respectively.

Monaural sound broadcast

When a monaural program is received, sound mode display will appear in green.
You can press the CH I / II button to select the sound mode between monaural and forced mono (sound is same).
Each time the button is pressed, ▽ or ▼ (force mono) appear cyclically on the screen.

NOTE

- If sound signal is not strong enough for quality reception, press the CH I / II button until ▼ appears on the screen to receive a clear mono sound.
- If sound has hiss noise or keep switching between stereo and mono mode due to signal condition, press the CH I / II button until ▼ appears on the screen to receive a clear mono sound.

OTHER FEATURES (continued)

Power Save Mode

When the RGB1, RGB2 input is selected

- When this unit is connected to a VESA DPMS computer, the Power Save (Off) mode can be set to be activated automatically when the computer is not being used to reduce power consumption by this unit.

RGB sync signal	Horizontal	Yes	No	Yes	No
	Vertical	Yes	Yes	No	No
PC signal		Active (normal display)	Blank (no display)		
Operation mode		On	Off		
Indicating lamp		Lights green	Lights orange		
Power consumption		158W	2W or less		

Returning to operating status

- Operate the personal computer, or press either the INPUT SELECT button of the main unit or the RGB1/RGB2 buttons of the remote control.

DVD Player/ STB Selection

- You can use this remote control to operate the selected maker of DVD Player and STB by pressing the following buttons on the remote control simultaneously.

<"DVD" Selection>

Makers of DVD Player	Set Maker	Set Type	Makers of DVD Player	Set Maker	Set Type
HITACHI	i+ 1	1 ~ 3	RCA	i+ 0	i+ 1
FUNAI	i+ 2	1	Mitsubishi	i+	i+ 1
Pioneer	i+ 3	1 ~ 6	ONKYO	i+ RED	i+ 1 ~ 3
Panasonic	i+ 4	1 ~ 4	ZENITH	i+ GREEN	i+ 1
TOSHIBA	i+ 5	1 ~ 4	THOMSON	i+ YELLOW	i+ 1
Philips	i+ 6	1 ~ 2	SHINCO	i+ BLUE	i+ 1
JVC	i+ 7	1	SKYWORTH	i+	i+ 1
SAMSUNG	i+ 8	1	BUBUKO	i+	i+ 1
Sony	i+ 9	1 ~ 4	DENON	i+	i+ 1 ~ 2
Sharp	i+ 2-4-12	1 ~ 2			

<"SAT" Selection>

Makers of STB Player	Set Maker	Set Type
HITACHI	i+ 1	i+ 1 ~ 2
TOSHIBA	i+ 2	i+ 1
DGTEC	i+ 3	i+ 1
Panasonic	i+ 4	i+ 1

OTHER FEATURES (continued)

DVD Player/STB Selection (continued)

Set up hint

Example) HITACHI DVD ①
To operate HITACHI DVD player, press and hold the i+ button, followed by the ① button.

1. **Set up the maker**
   Press SEL button to indicate the DVD LED on the remote control.
   Whilst the DVD LED is flashing, press i+ and ①.
2. **Set up the maker type**
   Release the ① button whilst keeping i+ button depressed.
   Then, press the ① button.
3. **Confirm the setting**
   After setting the maker and type, press the POWER button on the remote control.
   If the DVD does not switch on, repeat step 1 and 2 using other maker types as listed in the chart on 43.

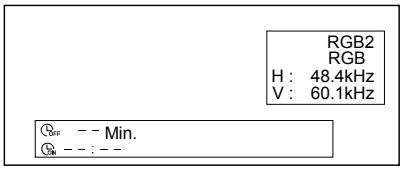
NOTE
- Not all models of the listed makers can be operated using this remote control.

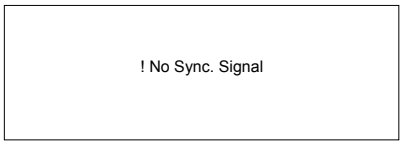
Signal Check (RGB mode)

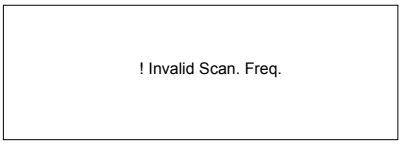
Changes in the signal status are displayed on the screen as they arise.

Status	Display	Action
When Frequency Display is set to ON, the input signal is switched or when the RECALL button is pressed.	A guide is displayed for the input terminal and the horizontal and vertical sync frequency.	———
When the sync signal is no longer detected.	• A guide displays No Sync. Signal, and Power Save (for approx. 5 sec.) • When the condition continues where the sync signal cannot be detected, indicator lamp of power source changes in orange and the mode switches to power save mode.	Recheck the personal computer power switch status and the connection status.
When the input signal does not match the monitor specifications or is in an unstable status.	A guide displays Invalid Scan Freq.	Recheck the input signal specifications. 50 ~ 52

RGB







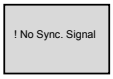
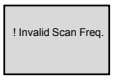
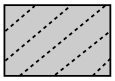
TROUBLESHOOTING

Symptoms That Seemingly Appear to be Failures

Make the checks suggested below depending on the symptoms observed. If the symptoms remain uncorrected, contact your dealer.

⚠ WARNING

Customer servicing can be hazardous.

Symptom		Point to check	See page
• No picture with the power-indicating lamp off.		• Check the way the power cable is connected. • Press the power switch.	18 19
• The message "No Sync. Signal" or "Power Save" is displayed. • No picture with the power indicating lamp lights in orange.	 	No sync signal is detected. • Check the way the signal cable is connected. • Make sure that the switch of the computer, imaging equipment, etc., is turned on. • Make sure the computer is not in the power-save mode. • Check to see if the input selection matches the connection terminal.	15
• The message "Invalid Scan Freq." is displayed.		An input signal is not received normally. • Check to see if the input signal matches the monitor specifications. • Check the way the signal cable is connected.	15 50 51 52
• The power indicating lamp is normally lit but no picture.		• Check the contrast and brightness settings (adjust them for higher contrast and brightness). • Check the way the signal cable is connected.	15 36 38
• The display image appears flowing slantwise. • Text displayed across the screen appears vertically streaked, with the characters in vertical columns blurred.	 	• Adjust the dot clock frequency and phase. (Adjust the dot clock frequency first, the dot clock phase next.) (RGB input)	32 47
• Text displayed across the screen appears blurred. • A fine pattern flickers when displayed on the screen.	 	• Adjust the dot clock phase for the clearest viewing. (RGB input)	32 47
• The remote control does not work.		• Check to see if the batteries are loaded in the remote control in opposite direction. • Check to see if the batteries in the remote control are OK.	9
• The display image does not appear in the normal position.		• Check to see if the displayed input signal match the monitor specification by pressing i+ button. • Turn off the screen saver.	15 34 50 51 52
• The display has lack of picture around the screen. (PC input mode only)		• Turn off the screen saver.	34
• The temperature of the display panel surface is high.		• The LCD monitor is lighting the fluorescent lamps inside of the panel. In some cases, this may cause the temperature of the panel surface to increase. Please note that this is not a malfunction.	—

TROUBLESHOOTING (continued)

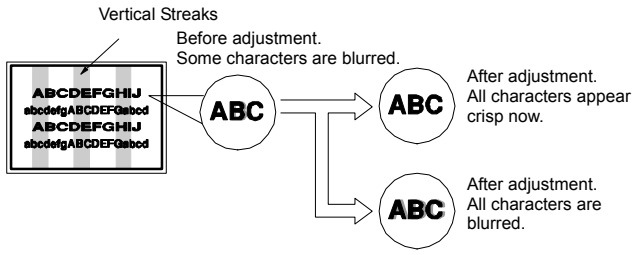
Symptoms That Seemingly Appear to be Failures (continued)

Symptom	Point to check	See page
• There are locations on the screen that are different from the periphery (*). * Points that do not light, points with brightness different from that of the periphery, points with colour different from that of the periphery, etc.	• High-precision technology is used to manufacture the LCD panel. However in some cases, there are minor defects in some parts of the screen. Please note that this is not a malfunction.	—
• Coarse horizontal stripes appear in FULL display.	• Adjusting the Clock Phase will reduce the horizontal stripes. (RGB input)	32
• Flickering in the form of horizontal lines oscillating up and down. (PC INPUT MODE only)	• If the direct frequency from the computer is below 85Hz, try a higher frequency (upper limit 85Hz). There may be a slight attenuation of the current image. • Try turning the Vertical Filter On. For this case however, the vertical resolution will drop.	33
• The top of the monitor heats up.	• When used for long periods of time, the top of the monitor may heat up. This is not a malfunction.	—
• Text characters are displayed with varying thicknesses.	• The thicknesses of characters and lines may vary if images with a vertical resolution greater than 768 lines are displayed; however, this is not a malfunction.	—
• The screen becomes dark and the images cannnot be seen during VTR special playback (fast forward, rewind)	• This sometimes occurs when a component output VTR such as the 480i is connected. This is not a malfunction; therefore, please take note that this may occur. When it does occur, change to composite output,or S.video output.	—
• During multi picture mode, sub pictures are not displayed.	• Sub pictures image might not be able to be displayed, depending on the combination. (Reter to the table of "2 pictures mode" and "4 pictures mode")	26
• The screen display sizes are not switched.	• The screen display size is fixed at "Full" as receiving 1080i/60Hz, 1080i/50Hz, 720p/50Hz and 720p/60Hz.	—
• Images from AV6 (HDMI) are not displayed.	• Check the cable and output format of connecting device. (Reter to "Connecting to an Audio Visual Device", and "Recommended Signal List".)	13 51

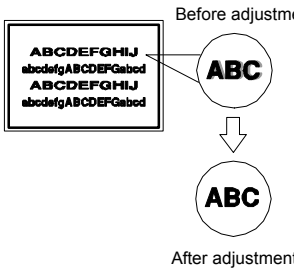
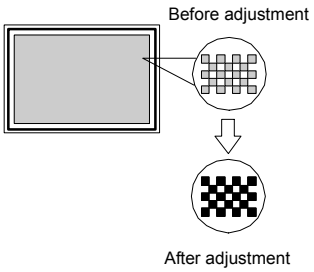
TROUBLESHOOTING (continued)

Actions to Correct Abnormal Displays

Depending on the kind of system equipment used, images may not be displayed normally. In this case, make the adjustments suggested below. (only for RGB2)

Symptom 1	Text displayed across the screen appears vertically streaked, with some characters blurred (Figure 1).
Example	Figure 1 
Adjustment procedure	1) Press the MENU button. The Main Menu will be displayed. 2) Press the ▼ SELECT button and select Setup. 3) Press the OK button. The Setup Menu will be displayed. 4) Press the ▼ SELECT button and select Auto Adjust.
	When adjustment is not possible with Auto Adjust 5) Press the MENU button. The Main Menu will be displayed. 6) Press the ▼ SELECT button and select Setup. 7) Press the OK button. The Setup Menu will be displayed. 8) Press the ▼ SELECT button and select Horizontal Clock. (Display fine patterns as characters or a vertical striped pattern over the entire screen during Horizontal Clock adjustment.) 9) Press the ▶ or ◀ ADJUST buttons and search for clear characters over the entire screen. 10) Perform adjustment for symptom 2 below, when the characters are blurred on the entire screen.

- The display image may be momentarily disturbed during clock adjustment but this is not a failure.

Symptom 2	Text displayed across the screen appears blurred in its entirety (Figure 2). A fine pattern flickers when displayed on the screen (Figure 3).	
Example	Figure 2  	Figure 3 
Adjustment procedure	1) Press the MENU button. The Main Menu will be displayed. 2) Press the ▼ SELECT button and select Setup. 3) Press the OK button. The Setup Menu will be displayed. 4) Press the ▼ SELECT button and select Auto Adjust.	
	When adjustment is not possible with Auto Adjust 5) Press the MENU button. The Main Menu will be displayed. 6) Press the ▼ SELECT button and select Setup. 7) Press the OK button. The Setup Menu will be displayed. 8) Press the ▼SELECT button and select Clock Phase. (Display fine patterns as characters or a vertical striped pattern over the entire screen during Clock Phase adjustment.)	
	9) Press the ▶ or ◀ ADJUST buttons to make the text appear clean across the screen.	9) Press the ▶ or ◀ ADJUST buttons to make the text appear without flickering.

PRODUCT SPECIFICATIONS

Product specifications and designs are subject to change without notice.

Panel	**Display dimensions**	Approx.32 inches (698 (H) x 392 (V) mm, diagonal 800 mm)
	Resolution	1366 (H) x 768 (V) pixels
Net dimensions		1015(W) x 618 (H) x 340 (D) mm
Net weight		25.0 kg
Ambient conditions	**Temperature**	Operating: 5°C to 35°C, Storage: -15°C to 60°C
	Relative humidity	Operating: 20% to 80%, Storage: 20% to 90% (non-condensing)
Power supply		AC100-240V, 50/60Hz
Power consumption/at standby		158W/<1W /<2W (only when DVI used)
Audio output		speaker 12W+12W (6Ω)
(RGB input)		
Input terminals		RGB1 DVI input terminal (DVI-D) RGB1 audio input terminal (3.5mm Stereo Mini Jack) RGB2 analogue RGB input terminal (D-sub 15-pin) RGB2 audio input terminal (3.5mm Stereo Mini Jack)
Input signals		0.7 V/1.0 Vp-p, analogue RGB (Recommended Signal) 480i, 576i, 480p, 576p, 1080i/50, 1080i/60, 720p/50*1, 720p/60
Sync signals		H/V separate, TTL level [2KΩ] H/V composite, TTL level [2KΩ] Sync on green, 0.3 Vp-p [75Ω]
Recommended signal		44 modes 51 52
(Video input)		
Input terminals		AV1: composite video / S video / L/R audio input terminal (SCART) AV2: composite video / RGB / L/R audio input terminal (SCART) AV3: composite video / RGB / L/R audio input terminal (SCART) AV4: composite video / $Y/P_B/P_R$ video / L/R audio input terminal (RCA) AV5: composite video / S video / L/R audio input terminal (RCA) AV6: HDMI input terminal
Input signals		AV1: PAL, SECAM, NTSC3.58, NTSC4.43 AV2: PAL, SECAM, NTSC3.58, NTSC4.43, RGB AV3: PAL, SECAM, NTSC3.58, NTSC4.43, RGB AV4: PAL, SECAM, NTSC3.58, NTSC 4.43 AV4: 480i, 576i, 480p, 576p, 720p/50, 720p/60, 1080i/50, 1080i/60 AV5: PAL, SECAM, NTSC3.58, NTSC4.43 AV6: HDMI input signal 51.
Output signal		OUTPUT (MONITOR): composite video monitor-output terminal (RCA) OUTPUT (MONITOR): L/R audio monitor-output terminal (RCA) OUTPUT (HEADPHONE): L/R audio monitor-output terminal (Mini-pin) AV1: Composite video / L/R audio monitor / TV output terminal (SCART)
Recommended signal		24 modes 50 51
(RF input)		
Input terminals		ANT: 75Ω Unbalanced
RF Video System		PAL B, G, H / I / D, K SECAM B, G / K1 / L, L, / (D, K)*2

- The monitor takes at least 30 minutes to attain the status of optimal picture quality.

*1 RGB2 does not support 720P/50.

*2 The SECAM D, K system might not be normally received, depending on the model.

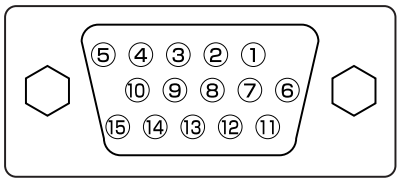
PRODUCT SPECIFICATIONS (continued)

Signal Input

RGB terminal (D-sub 15-pin connector)

Pin	Input signal
1	R(P_R/C_R)
2	G or sync on green (Y)
3	B (P_B/C_B)
4	No connection
5	No connection
6	R.GND (P_R/C_R. GND)
7	G.GND (Y. GND)
8	B.GND (P_B/C_B. GND)
9	No connection
10	GND
11	No connection
12	[SDA]
13	H. sync or H/V composite sync
14	V.sync. [V.CLK]
15	[SCL]

( ) : With component input



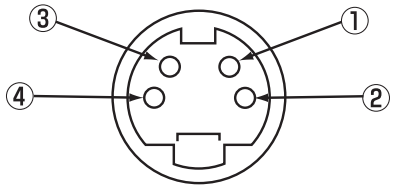
- When different kinds of input signals are simultaneously input to the monitor via a graphics board or the like, the monitor will automatically select the signals in the following priority order:

Sync signal type	Priority
H/V separate sync.	1
H/V composite sync.	2
sync.on Green *	3

- Even in the case of the recommended signals shown on the following page, there may be instances when correct display is not possible. In this case, use H/V separate sync, H/V composite sync.

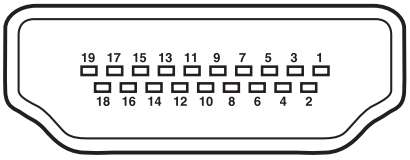
S-input connector pin specifications

Pin	Input signal
1	Y
2	Y-GND
3	C
4	C-GND
Frame	GND



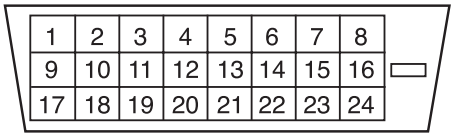
HDMI connector pin specifications

Pin	Input signal	Pin	Input signal
1	TMDS Data2+	11	TMDS Clock Shield
2	TMDS Data2 Shield	12	TMDS Clock-
3	TMDS Data2-	13	CEC
4	TMDS Data 1+	14	Reserved(N.C. on device)
5	TMDS Data1 Shield	15	SCL
6	TMDS Data1-	16	SDA
7	TMDS Data0+	17	DDC/CED Ground
8	TMDS Data0 Shield	18	+5V Power
9	TMDS Data0-	19	Hot Plug Detect
10	TMDS Clock+		



DVI terminal (DVI-D)

Pin	Input signal	Pin	Input signal
1	T.M.D.S. Data2-	14	+5V Power
2	T.M.D.S. Data2+	15	Ground (for+5V)
3	T.M.D.S. Data2/4 Shield	16	Hot Plug Detect
4	T.M.D.S. Data4-	17	T.M.D.S. Data0-
5	T.M.D.S. Data4+	18	T.M.D.S. Data0+
6	DDC Clock	19	T.M.D.S. Data0/5 Shield
7	DDC Data	20	T.M.D.S. Data5-
8	No Connect	21	T.M.D.S. Data5+
9	T.M.D.S. Data1-	22	T.M.D.S. Clock Shield
10	T.M.D.S. Data1+	23	T.M.D.S. Clock+
11	T.M.D.S. Data1/3 Shield	24	T.M.D.S. Clock-
12	T.M.D.S. Data3-	Frame	GND
13	T.M.D.S. Data3-		

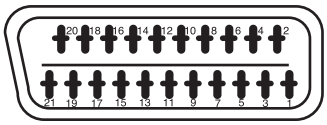


PRODUCT SPECIFICATIONS (continued)

Signal Input (continued)

Scart connector pin specifications

Pin	Signal	Pin	Signal
1	AUDIO OUT (RIGHT)	12	Not Used
2	AUDIO IN (RIGHT)	13	RGB-R GND
3	AUDIO OUT (LEFT/MONO)	14	GND
4	AUDIO GND	15	RGB-R / S.VHS CHROMINANCE IN
5	RGB-B GND	16	BLANKING SIGNAL
6	AUDIO IN (LEFT/MONO)	17	COMPOSITE VIDEO GND
7	RGB-B IN	18	BLANKING SIGNAL GND
8	AUDIO/RGB SWITCH / 16:9	19	COMPOSITE VIDEO OUT
9	RGB-G GND	20	COMPOSITE VIDEO / S.VHS LUMINANCE IN
10	Not Used	21	GND / SHIELD (CHASSIS)
11	RGB-G IN		



Recommended Signal List

Applicable video signals for input terminal

Terminal	RCA/S-video / SCART				HDMI	DVI		D-sub		Remarks
Signal	CVBS	S-video	Component	SCART (RGB)		PC	STB	RGB	Component	
AV1	O	O								Refer to Setup Menu 31
AV2	O			O						Refer to Setup Menu 31
AV3	O			O						Refer to Setup Menu 31
AV4	O		O							Refer to Setup Menu 31
AV5	O	O								Refer to Setup Menu 31
AV6					O					
RGB1						O	O			Refer to Setup Menu 31
RGB2								O	O	Refer to Setup Menu 31

(O:Available)

With composite input(AV1~AV5 input) and S-video input (AV1, AV5 input)

No.	Signal mode			Horizontal frequency (kHz)	Dot clock frequency (MHz)	Remarks
	Signal Name	Resolution	Vertical frequency (Hz)			
1	NTSC4.43 NTSC3.58	525	59.94	15.73	—	
2	PAL SECAM	625	50.00	15.63	—	

With component input (AV4 and RGB2-component input)

*1720p / 50 is supported AV4 only.

No.	Signal mode			Horizontal frequency (kHz)	Dot clock frequency (MHz)	Remarks
	Signal Name	Resolution	Vertical frequency (Hz)			
1	576i	576	50.00	15.63	—	
2	480i	480	59.94	15.73	—	
3	576p	576	50.00	31.26	—	
4	480p	480	59.94	31.47	—	
5	1080i/50	1080	50.00	28.13	—	
6	1080i/60	1080	60.00	33.75	—	
7	720p/50*1	720	50.00	37.50	—	
8	720p/60	720	60.00	45.00	—	

PRODUCT SPECIFICATIONS (continued)

Recommended Signal List (continued)

With HDMI input (AV6 input)

No.	Signal mode			Horizontal frequency (kHz)	Dot clock frequency (MHz)	Remarks
	Signal Name	Resolution	Vertical frequency (Hz)			
1	VGA	640 x 480	59.94	31.47	25.18	EIA-861B
2	576i	720(1440) x 576	50.00	15.63	27.00	EIA-861B
3	480i	720(1440) x 480	59.94	15.73	27.00	EIA-861B
4	576p	720 x 576	50.00	31.25	27.00	EIA-861B
5	480p	720 x 480	59.94	31.47	27.00	EIA-861B
6	1080i/50	1920 x 1080	50.00	28.13	74.25	EIA-861B
7	1080i/60	1920 x 1080	60.00	33.75	74.25	EIA-861B
8	720p/50	1280 x 720	50.00	37.50	74.25	EIA-861B
9	720p/60	1280 x 720	60.00	45.00	74.25	EIA-861B

With Digital signal input

No.	Signal mode			Horizontal frequency (kHz)	Dot clock frequency (MHz)	Setup Menu Condition		Remarks
	Signal Name	Resolution	Vertical frequency (Hz)			DVI-PC	DVI-STB	
1	VGA	640 X 400	70.08	31.47	25.18	O		
2		640 X 480	59.94	31.47	25.18	O	O	
3	W-VGA	864 X 480	59.94	31.47	34.24	O		WVGA type: On
4	VESA	640 X 480	72.81	37.86	31.50	O		
5		640 X 480	75.00	37.50	31.50	O		
6		640 X 480	85.01	43.27	36.00	O		
7		800 X 600	56.25	35.16	36.00	O		
8		800 X 600	60.32	37.88	40.00	O		
9		800 X 600	72.19	48.08	50.00	O		
10		800 X 600	75.00	46.88	49.50	O		
11		800 X 600	85.06	53.67	56.25	O		
12		1024 X 768	60.00	48.36	65.00	O		
13		1024 X 768	70.07	56.48	75.00	O		
14		1024 X 768	75.03	60.02	78.75	O		
15	480p	720 X 480	59.94	31.47	27.00		O	EIA-861B
16	576p	720 X 576	50.00	31.25	27.00		O	EIA-861B
17	720p/50	1280 X 720	50.00	37.50	74.25		O	EIA-861B
18	720p/60	1280 X 720	60.00	45.00	74.25		O	EIA-861B
19	1080i/60	1920 X 1080	60.00	33.75	74.25		O	EIA-861B
20	1080i/50	1920 X 1080	50.00	28.13	74.25		O	EIA-861B

(O:Acceptable)

PRODUCT SPECIFICATIONS (continued)

Recommended Signal List (continued)

With Analogue signal input (RGB2 input)

No.	Signal mode			Horizontal frequency (kHz)	Dot clock frequency (MHz)	Remarks
	Signal Name	Resolution	Vertical frequency (Hz)			
1	VGA	640 X 400	70.08	31.47	25.18	
2		640 X 480	59.94	31.47	25.18	
3	W-VGA	864 X 480	59.94	31.47	34.24	WVGA type: On
4	VESA	640 X 480	72.81	37.86	31.50	
5		640 X 480	75.00	37.50	31.50	
6		640 X 480	85.01	43.27	36.00	
7		800 X 600	56.25	35.16	36.00	
8		800 X 600	60.32	37.88	40.00	
9		800 X 600	72.19	48.08	50.00	
10		800 X 600	75.00	46.88	49.50	
11		800 X 600	85.06	53.67	56.25	
12		1024 X 768	60.00	48.36	65.00	
13		1024 X 768	70.07	56.48	75.00	
14		1024 X 768	75.03	60.02	78.75	
15		1024 X 768	85.00	68.68	94.50	
16		1152 X 864	75.00	67.50	108.00	
17		1280 X 1024	60.02	63.98	108.00	
18		1280 X 1024	75.03	79.98	135.00	
19		1280 X 1024	85.02	91.15	157.50	
20		1600 X 1200	60.00	75.00	162.00	
21		1600 X 1200	75.00	93.75	202.50	
22		1600 X 1200	85.00	106.25	229.50	
23	Macintosh	640 X 480	66.67	35.00	30.24	
24		832 X 624	74.55	49.72	57.28	
25		1024 X 768	74.93	60.24	80.00	
26		1152 X 870	75.06	68.68	100.00	
27	W-XGA	1280 X 768	59.833	47.986	81.00	
28		1280 X 768	69.997	56.137	94.760	
29		1280 X 768	59.876	47.776	79.50	WXGA Mode: 1280X768
30		1366 X 768	60.015	47.712	85.50	WXGA Mode: 1366X768

- The type of video board or connecting cable used may not allow for correct displays adjustment of Horizontal Position, Vertical Position. Horizontal Clock and Clock Phase.
- The monitor may fail to display an animation image correctly when a signal having a vertical frequency of 85Hz or higher is input to it.
- The monitor differentiates the signal modes according to the horizontal and vertical frequencies and the horizontal and vertical sync signal polarities. Note that different signals having all these elements alike may be handled as the same signal.
- Displaying images with more than 768 lines of vertical resolution at Full display (compressed display) can result in the interpolation of stripes.

Guarantee

Thank you for purchasing this Hitachi Television.

In the unlikely event that this product should develop a fault, we undertake to repair or replace any part of the product which fails due to a manufacturing defect within 12 months of the date of purchase provided that ...

1. the product has been installed and used only in accordance with the instructions supplied with the product.
2. the product has not been repaired, maintained, or modified by any person other than a Hitachi authorized dealer.
3. the product serial number has not been removed or altered.

- This guarantee does not apply to a product acquired second hand or for commercial or communal use.
- This guarantee does not cover the replacement of exhausted batteries, the adjustment of user controls, or aerial alignment.
- Any parts replaced under this guarantee shall become the property of HITACHI EUROPE LTD.
- Please note that evidence of the date of purchase will be required before any service under this guarantee is carried out.

Use the boxes provided below to record your TV's Model and Serial Number - these are found on the rating plate located on the rear of the LCD panel. Also, record where and when you purchased this TV. This information will help any future queries you may have and should be used in all correspondence with Hitachi service centres.

MODEL	SERIAL NUMBER	DEALER/STORE	DATE PURCHASED

This guarantee does not affect your statutory rights.

In all cases of difficulty,
please consult your Hitachi dealer.

HITACHI

quick guide / mode d'emploi abrégé / Kurzanleitung

1

TV SETUP
Installation
TV-Installation

*This lead should be available from special lead supplier.
*Ce cable est en vente dans les magasins de câbles spécialisés.
*Dieses Kabel ist im Fachhandel erhältlich.

EUROPE/EUROPA

U.K. ONLY

AERIEL
ANTENNE
ANTENNE

B

DVD PLAYER
LECTEUR DE DVD
DVD-Player

DIGIBOX
SATELLITE/DECODEUR
SAT-Empfänger

IN
OUT

C

VCR
MAGNÉTOSCOPE
VIDEOREKORDER

IN
OUT

RF LEADS
CABLE COAXIAL
Antennenkabel

E

DVD PLAYER
LECTEUR DE DVD
DVD-Player

Monitor rear panel
Panneau arrière du moniteur
Geräterückseite

Speaker (R)
Haut-parleur (G)
Lautsprecher (R)

SPEAKER TERMINAL
(6Ω 12W)

A

Speaker (L)
Haut-parleur (D)
Lautsprecher (L)

SPEAKER TERMINAL
(6Ω 12W)

HDMI LEAD
CABLE HDMI
HDMI-KABEL

SCART LEADS (optional)
CABLES PÉRITEL* (accessoires)
SCART-KABEL* (optional)

ANT
INPUT(AV1)
INPUT(AV2)
INPUT(AV3)
INPUT(AV4)
OUTPUT
INPUT (AV6)
INPUT (AV5)
POWER SWIVEL

Side Input
entrée latérale
Seiteneingang

5 PHONO LEADS
CABLES 5 PHONO
5 Leitungen Cinch-Kabel
(Y, P_B, P_R, AUDIO L, AUDIO R)

D

CAMCORDER
CAMESCOPE
CAMCORDER

2 PHONO LEAD
CABLE 2 PHONO
2 Leitungen Cinch-Kabel
(AUDIO L, AUDIO R)

S-CABLE
CABLE-S
S-KABEL

UK

IMPORTANT : If you intend placing this TV into a cabinet or wall above, please ensure there is at least a 100mm (10cm) gap to the sides, rear and top of the television.This is to allow for adequate ventilation.

Do not allow soft furnishings, such as curtains to be draped over the TV whilst in operation.

Never place the TV onto a carpet during normal operation - this could obstruct ventilation slots on the base of the TV.

Always place the TV on a flat surface, or if supplied, the stand accessory.

Failure to observe the above guidelines could result in serious overheating of your TV, or even, in extreme cases, fire.

A Connect the Mains lead to the LCD Screen .

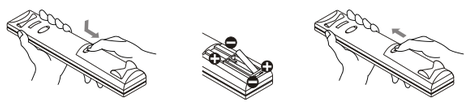
B Connect aerial connection lead to the Digibox ‘in’ socket mark ed ¬┌.

C Connect Digibox ‘out’ to VCR ‘in’ socket mark ed ¬┌.

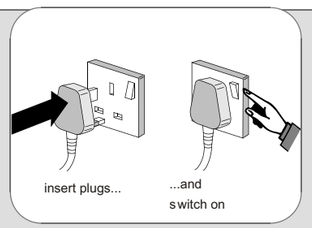
D Connect VCR ‘out’ to ANT ‘in’on LCD Screen socket marked ¬┌ .

E Connection on 1 is one example.
VCR is able to loop through Digibox to AV1 if Digibox has 2 SCARTs.

2 insert the batteries into your handset



3 connect the TVplug to the mains socket



4 switch your TV on,ready to start autotune procedure...

IMPORTANT NOTE : Do not switch your TV on until all external equipment is connected. If you have a Video Cassette Recorder or a Satellite receiver connected to this TV, please ensure that they are switched on before automatic tuning begins.In the case of a VCR, insert a pre-recorded tape and begin playback of your equipment. With a Satellite receiver, select Sky News. These measures ensure that all your external equipment is tuned in during the autotune procedure.

F

IMPORTANT : Si vous avez l'intention de placer votre téléviseur dans un meuble ou dans un renfoncement, prévoyez un espace libre de 100mm (10cm) au minimum sur les côtés, à l'arrière et au dessus de l'appareil.Ceci permettra une aération adéquate en cours de fonctionnement.

Ne laissez pas des tissus comme des rideaux s'envelopper autour du téléviseur pendant qu'il fonctionne.Ne placez jamais le téléviseur sur une moquette lorsqu'il est en marche - cela pourrait boucher les fentes de ventilation à la base du téléviseur.Placez toujours le téléviseur sur une surface plate ou le cas échéant, sur son support.

En cas de non-respect de ces consignes de sécurité votre téléviseur pourrait surchauffer ou même provoquer un incendie.

A Connecter les principaux câbles à l’écran à LCD .

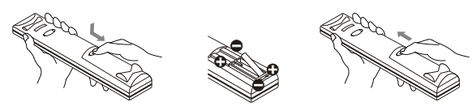
B Raccorder le câble coaxial de votre antenne extérieure à la prise "in" du Satellite/Décodeur , repérée par le pictogramme ¬┌ .

C Raccorder la prise "out" du Satellite/Décodeur à la prise "in" du magnétoscope , repérée par le pictogramme ¬┌

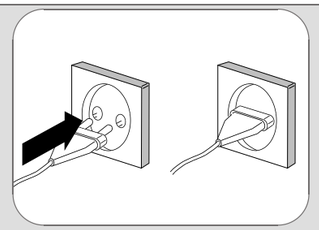
D Raccorder la prise ‘out’ du VCR à la prise ‘in’du ANT sur la prise de l‘Ecran à LCD indiquée par ¬┌ .

E Le branchement en 1 est un exemple.
Magnétscope est capable de boucler par l’intermédiaire de Satellite / Décodeur vers AV1 si la Satellite / Décodeur possède deux SCARTs.

2 introduisez les piles dans votre télécommande



3 branchement sur la prise secteur



4 mettez votre téléviseur en marche et passez à la fonction de réglage auto

REMARQUE IMPORTANTE : Evitez à tout prix d'allumer votre téléviseur avant que tous les équipements périphériques qui devront y être branchés le soient effectivement.Si vous possédez un magnétoscope ou un récepteur satellite raccordés à votre téléviseur, laissez-les allumés avant de lancer la recherche des chaînes par accord automatique. Dans le cas de magnétoscope, introduire une cassette préenregistrée et commencer la lecture sur votre équipement.Avec un récepteur Satellite, sélectionner une chaine. Toutes ces manipulations ont pour objet de faire en sorte que tous vos équipements périphériques soient en fonctionnement au démarrage de la recherche des chaînes par accord automatique.

D

WICHTIGER HINWEIS : Achten Sie bei der Aufstellung des Geräts in einem Regal oder Schrank darauf, dass zu beiden Seiten des Geräts sowie hinten und oben ein Abstand von mindestens 100 mm (10 cm) gegeben sein muss, damit bei eingeschaltetem Gerät eine ausreichende Luftzirkulation stattfinden kann.

Das eingeschaltete Gerät darf auch nicht mit Stoffen, also Vorhängen, Decken usw., behängt sein. Stellen Sie das TV-Gerät während des Betriebs nicht auf einen Teppich - dadurch können die Lüftungsschlitze unten am Gerät blockiert werden.Das TV-Gerät nur auf einer ebenen Fläche oder einem TV-Sockel (Zubehör) aufstellen.

Bei Nichtbeachtung dieser Sicherheitsma§nahmen kann es zur gefährlichen †Überhitzung des TV-Geräts kommen, im Extremfall besteht sogar Brandgefahr.

A Schlie§en Sie das Netzkabel am LCDbildschirm an.

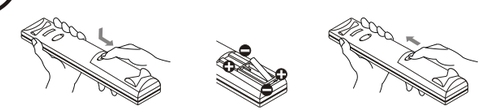
B Antennenanschlusskabel an die mit ¬┌markierte SAT-Empfänger-Eingangsbuchse anschlie§en.

C SAT-Empfänger-Ausgangsbuchse an die mit ¬┌markierte Videorekorder-Eingangsbuchse anschlie§en.

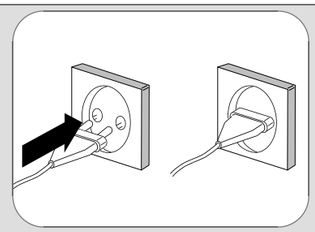
D Schlie§en Sie VCR "out" an ANT "in" an der mit ¬┌ markierten Buchse des LCDbildschirms an.

E Anschluss 1 ist ein Beispiel.
Videorekorder kann durch SAT-Empfänger zu AV1 durchgeschleift werden, wenn SAT-Empfänger 2 SCART-Anschlüsse hat.

2 setzen Sie die Batterien in die Fernbedienung ein



3 schlie§en Sie ihr Fernsehgerät an die Netzsteckdose an



4 schalten Sie Ihren Fernseher ein und gehen Sie zu Auto-Suchlauf

WICHTIGER HINWEIS : Schalten Sie Ihr TV-Gerät nicht ein, bevor nicht alle externen Geräte angeschlossen sind.Wenn Sie einen Videorekorder oder Satellitenempfänger an Ihr TV-Gerät angeschlossen haben, achten Sie darauf, dass diese Geräte eingeschaltet sind, bevor Sie die automatische Abstimmung starten.Bei einem Videorekorder legen Sie eine bespielte Videokassette ein und beginnen die Wiedergabe auf dem Gerät. Bei einem Sat-Empfänger wählen Sie Sky News.Auf diese Art werden alle Ihre externen Geräte in die automatische Abstimmung einbezogen.

UK handset controls used for television autotune

F commandes de la télécommande permettant d'effectuer un réglage auto

D Fernbedienungselemente,die fŸr den automatischen TV-Suchlauf benutzt werden

UK menu

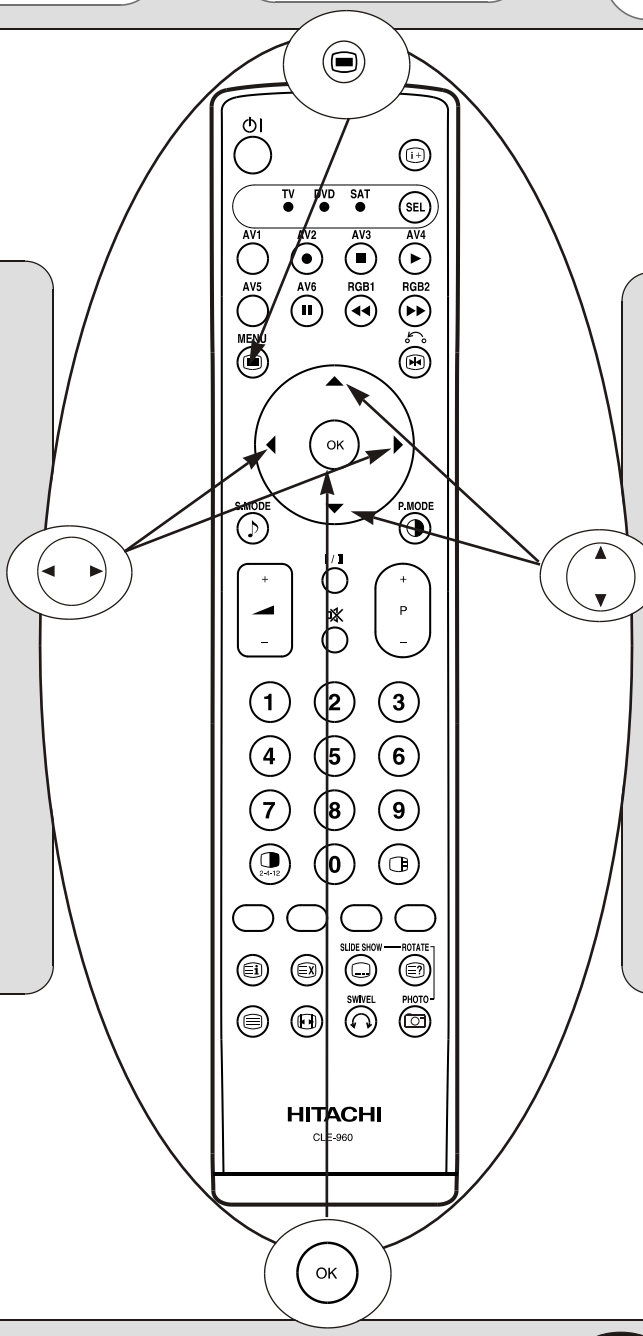
Use this button to display the main menu.

F Menu

Utiliser ce bouton pour afficher le menu principal.

D Menü

Drücken Sie diese Taste zum Aufrufen des HauptmenŸs.



cursor left/right UK

This button is used to move the menu selection box left/right or change a highlighted selection.

Curseur gauche/droite F

Ce bouton est utilisé pour déplacer de gauche à droite la boîte de sélection du menu ou modifier la sélection mise en valeur.

Cursor links/rechts D

Diese Taste dient zum Bewegen des Menüwahlkastens nach links/rechts oder Àndern einer markierten Wahl.

UK cursor up/down

This button is used to move the menu selection box up/down or change a highlighted selection.

F curseur haut / bas

Cette touche est utilisée pour déplacer la case de sélection de menu vers la haut/bas ou pour modifier une sélection mise en évidence.

D Cursor auf/ab

Diese Taste verschiebt den Menüauswahlbalken nach auf/ab oder wählt die markierte Option aus.

UK OK

Use this button to confirm a highlighted selection

F OK

Ce bouton sert à confirmer une sélection mise en valeur.

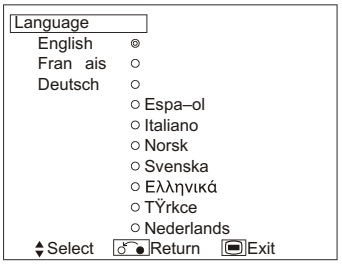
D OK

Mit dieser Taste wird eine hervorgehobene Auswahl bestätigt.

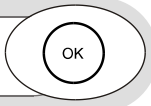
UK

5 Éstart Autotune procedure.

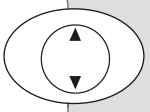
A The first screen viewed will ask you to choose the language of your TVÕs display.Use the UP/DOWN cursor button to choose your language.

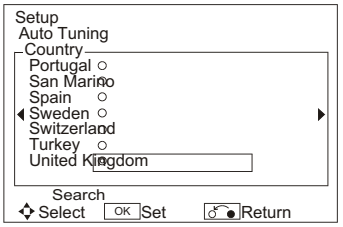


B Once highlighted, accept selection.

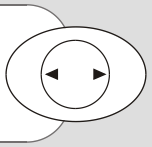


C Next, the country screen requires you to select the country in which you will be watching your TV.Use the UP/DOWN button to adjust.

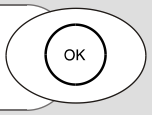




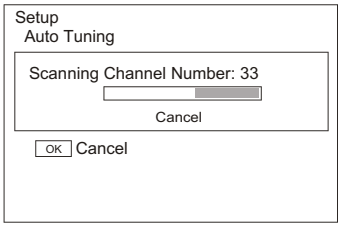
D If your country is not on the screen, see the other pages by pressing the LEFT/RIGHT button.



E Once the country of choice is highlighted, press the OK button to continue.



F Your TV will now search through the frequencies, storing them in order.



HITACHI

Hitachi, Ltd. Tokyo, Japan
International Sales Division
THE HITACHI ATAGO BUILDING,
No. 15 –12 Nishi Shinbashi, 2 – Chome,
Minato – Ku, Tokyo 105-8430, Japan.
Tel: 03 35022111

HITACHI EUROPE LTD,
Whitebrook Park
Lower Cookham Road
Maidenhead
Berkshire
SL6 8YA
UNITED KINGDOM
Tel: 01628 643000
Fax: 01628 643400
Email: **consumer-service@hitachi-eu.com**

HITACHI EUROPE S.A.
364 Kifissias Ave. & 1, Delfon Str.
152 33 Chalandri
Athens
GREECE
Tel: 1-6837200
Fax: 1-6835964
Email: **service.hellas@hitachi-eu.com**

HITACHI EUROPE GmbH
Munich Office
Dornacher Strasse 3
D-85622 Feldkirchen bei München
GERMANY
Tel: +49-89-991 80-0
Fax: +49-89-991 80-224
Hotline: +49-180-551 25 51 (12ct/min)
Email: **HSE-DUS.service@hitachi-eu.com**

HITACHI EUROPE S.A.
Gran Via Carlos III, 86, planta 5
Edificios Trade - Torre Este
08028 Barcelona
SPAIN
Tel: +34 93 409 2550
Fax: +34 93 491 3513
Email: **atencion.cliente@hitachi-eu.com**

HITACHI EUROPE srl
Via Tommaso Gulli N.39, 20147
Milano, Italia
ITALY
Tel: +39 02 487861
Tel: +39 02 38073415 Servizio Clienti
Fax: +39 02 48786381/2
Email: customerservice.italy@hitachi-eu.com

HITACHI Europe AB
Box 77 S-164 94 Kista
SWEDEN
Tel: +46 (0) 8 562 711 00
Fax: +46 (0) 8 562 711 13
Email: **csgswe@hitachi-eu.com**

HITACHI EUROPE S.A.S
Lyon Office
B.P. 45, 69671 BRON CEDEX
FRANCE
Tel: +33 04 72 14 29 70
Fax: +33 04 72 14 29 99
Email: **france.consommateur@hitachi-eu.com**

HITACHI EUROPE LTD (Norway) AB
STRANDVEIEN 18
1366 Lysaker
NORWAY
Tel: 67 5190 30
Fax: 67 5190 32
Email: **csgnor@hitachi-eu.com**

HITACH EUROPE AB
Egebækgård
Egebækvej 98
DK-2850 Nærum
DENMARK
Tel: +45 43 43 6050
Fax: +45 43 60 51
Email: **csgnor@hitachi-eu.com**

HITACHI EUROPE AB
Neopoli / Niemenkatu 73
FIN-15140 Lahti
FINLAND
Tel : +358 3 8858 271
Fax: +358 3 8858 272
Email: **csgnor@hitachi-eu.com**

Hitachi Europe Ltd
Bergensesteenweg 421
1600 Sint-Pieters-Leeuw
BELGIUM
Tel: +32 2 363 99 01
Fax: +32 2 363 99 00
Email: **sofie.van.bom@hitachi-eu.com**

HITACHI EUROPE LTD
Na Sychrove 975/8
101 27 Praha 10 – Bohdalec
CZECH REPUBLIC
Tel: +420 267 212 383
Fax: +420 267 212 385
Email: **csgnor@hitachi-eu.com**

www.hitachidigitalmedia.com